

ViconNet® Version 7 Camera and Edge Device Support



IQeye Megapixel Cameras

Feature	Description	
	VICON	Alliance-pro/Alliance-mx/ Alliance-mini/3 Series/7 Series/R5 Series/
		Sentinel Series (IQA3X,IQM5X,IQD5X,IQ03X,IQ76X,IQR5X, IQ86X, IQ87X)
Driver/Firmware	Required driver or firmware revision to support features	4.1/025
Camera Licensing	No license fees required	✓
Recording	,	
Camera Time Stamp	Camera provides time stamp (not VMS)	
Authorization by user	Only users with valid username and password can connect to camera	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera	
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post
Quick Playback	VMS supports "Quick Playback" feature	✓
Web Browser Interfac	e	
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓
Network Video Contro	ols	
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	✓
Multicast	Ability to support camera multicast streaming	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	
Compression		
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format	
MPEG-4	Supports standard MPEG-4 compression	
M-JPEG	Supports M-JPEG compression	√
H.264	Supports H.264 compression	✓
Other	,	
DNS	Camera can be set up and configured in VMS by name	✓
Audio In	VMS can record audio stream generated from camera	
Audio Out	Audio can be sent to camera for broadcast	
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	
Alarm Output (Relay)	VMS can control alarm relay on camera iconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not su	nnord standard MPEC.4

Vicon Surveyor® Cameras

Feature	Description	Surveyor HD PTZ Dome Series
	VICON	Surveyor Network (2/1.3 megapixel) Outdoor/Impact-Resistant/Pressurized
Driver/Firmware	Required driver or firmware revision to support features	942 7.030
Camera Licensing	No license fees required	✓
Recording		
Camera Time Stamp	Camera provides time stamp (not VMS)	✓
Authorization by user	Only users with valid username and password can connect to camera	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera	
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post
Quick Playback	VMS supports "Quick Playback" feature	✓
Web Browser Interface	е	
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	✓
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓
Network Video Contro	ls	
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	✓
Multicast	Ability to support camera multicast streaming	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓
Compression		
ViconNet® MPEG-4	Supports ViconNet proprietary MPEG-4 format	
MPEG-4	Supports standard MPEG-4 compression	
M-JPEG	Supports M-JPEG compression	√
H.264	Supports H.264 compression	✓
Other	, , , , , , , , , , , , , , , , , , ,	
DNS	Camera can be set up and configured in VMS by name	✓
Audio In	VMS can record audio stream generated from camera	✓
Audio Out	Audio can be sent to camera for broadcast	
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓
Alarm Output (Relay)	VMS can control alarm relay on camera	✓

Vicon Cruiser™ Cameras

Auto-detection of camera ViconNet software will search network for new camera ViconNet cameras to integrate Camera Licensing Recording Camera provides time stamp (not VMS) Authorization by user Only users with valid username and password can connect to camera Museum Search VMS supports intelligent museum search of video recorded from this camera Picture Setting Control Ability to adjust image (color, brightness, control Ability to latig this mage (color, brightness, control Ability to latig recorded video based on motion detection criteria Motion Based WMS records events: before motion (Pre): during motion (Motion): after motion (Post) Quick Playback WMS supports "Quick Playback" feature Web Browser (Live) Live camera streams can be viewed thru the viconNet web viewer Web Browser (Live) Live camera streams can be played back on the ViconNet web viewer Web Browser (Recordings from the camera can be played back on the ViconNet web viewer Network Video Controls Multi-Format Streams Ability to send simultaneous streams in different compression formats Multi-Format Streams Ability to program the camera settings from the vicontrol vimits of lower resolution streams for multi-camera displays Multicast Ability to program the camera settings from the vimits of lower resolution streams for multi-camera displays Multicast Ability to program the camera settings from the vimits of lower resolution streams for multi-camera displays Multicast Ability to program the camera settings from the vimits of lower the frame rate to different users improve system performance Compression ViconNet® MPEG-4 Supports Standard MPEG-4 compression ViconNet® MPEG-4 Supports Standard MPEG-4 compression And VMS can record audio stream generated from	Series
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camera	
Audio Out Audio can be sent to camera for broadcast	
Alarm Input (Dry Contact) Alarm input on camera can be monitored from VMS ✓ Only N	0
Alarm Output (Relay) VMS can control alarm relay on camera 1. ViconNet web viewer supports ViconNet proprietary MPEG-4. M. IPEG and H.264 compression. It does not support standard MPEG-4.	

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.

Vicon Cost-Effective Cameras

Auto-detection of camera ViconNet commers viconNet cameras io integrate vamera ViconNet cameras viconNet viconNe	Megapixel Megapixel Dome Dome Camera Camera	Megapixel Bullet Camera	Megapixel Dome Camera	Description	Feature
Auto-detection of camera ViconNet software will search network for new camera ViconNet cameras to integrate Camera Ilcensing Recording Camera Time Stamp Authorization by user Only users with valid username and password can connect to camera Museum Search WMS supports intelligent museum search of video recorded from this camera Picture Setting Ability to adjust image (color, brightness, contrast, etc.) from VMS Motion Detection Ability to tag recorded video based on motion detection criteria Museum Based Motion Detection Motion Based WMS records events: before motion (Pre): during motion (Motion): after motion (Post) Web Browser (Live) Web Browser (Live) Web Browser (Live) Web Browser Recordings from the camera can be viewed thru the ViconNet web viewer Web UconNet web viewer Web ViconNet Web viewer Network Video Controls Multi-Resolution Streams Multi-Ressolution Coulaity 1-8) FPS Control Ability to support s'Ouck Playback streams in different compression formats Compression ViconNet MPEG-4 Support of lower resolution streams for multi-camera displays Multi-Resolution Coulaity 1-8) FPS Control Ability to support camera multicast streaming Quality Resolution Coulaity 1-8) Compression ViconNet MPEG-4 Supports Supports M-JPEG compression ViconNet MPEG-4 Supports M-JPEG Supports M-JPEG compression ViconNet MPEG-4 Supports M-JPEG compression VMS can record audio stream generated from camera Audio Out Audio Can be sent to camera for broadcast Alalmin Input (Dry Alarm Input	Gamera Gamera	Callicia	Odificial	VICON	,
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Picture Setting Control Ability to adjust image (color, brightness, contrast, etc.) from VMS Motion Detection Ability to tag recorded video based on motion detection criteria Motion Based Recording Motion (Motion): after motion (Per); during motion (Motion): after motion (Post) Web Browser Interface Web Browser (Live) Live camera streams can be viewed thru the ViconNet web viewer Web Browser (Live) Web Browser (Live) Web Browser (Live) Web Browser (Recordings from the camera can be played back on the ViconNet web viewer Web Browser (Playback) Network Video Controls Multi-Format Streams Ability to send simultaneous streams in different compression formats Multi-Resolution Streams Ability to support camera multicast streaming Ability to support camera multicast streaming Ability to program the camera settings from the VMS (Quality 1-8) FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports Standard MPEG-4 compression M-JPEG Supports H.264 compression Vicon Record audio stream generated from camera Audio In Audio Cout Alarm Input (Dry Alarm Input on camera can be monitored from VMS Alarm Input on camera can be monitored from VMS Alarm Input on camera can be monitored from VMS Alarm Input on camera can be monitored from VMS	✓ ✓	✓	√		Authorization by user
Ability to adjust image (color, brightness, contrast, control etc.) from VMS Motion Detection Ability to tag recorded video based on motion detection criteria Motion Based WMS records events: before motion (Pre); during motion (Motion): after motion (Post) Wos supports "Quick Playback" feature Web Browser Interface Web Browser (Live) Live camera streams can be viewed thru the ViconNet web viewer Web Browser (Playback) Web Browser (Recordings from the camera can be played back on the ViconNet web viewer Web Browser (Playback) Multi-Format Streams Ability to send simultaneous streams in different compression formats Multi-Resolution Streams Ability to support camera multicast streaming Multi-Resolution Coulity/Resolution Coulity/Resolution Coulity/Resolution Control Coulity 1-8) FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports M-JPEG compression M-JPEG Supports M-JPEG compression ViconNet MPEG-4 Supports H-264 compression ViconNet MPEG-4 Supports H-264 compression ViconNet MPEG-4 Supports M-JPEG compression ViconNet MPEG-4 Supports M-JPEG compression ViconNet M-PEG Audio In VMS can record audio stream generated from camera Audio Out Audio Can be sent to camera can be monitored from VMS					Museum Search
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Note 1 Post Ouick Playback Web Browser Interface Web Browser (Live) Live camera streams can be viewed thru the ViconNet web viewer Web Browser (Playback) Web Browser (Playback) Web Browser (Playback) Note 1 Post ViconNet web viewer Web Browser (Playback) Network Video Controls Multi-Format Streams Ability to send simultaneous streams in different compression formats Support of lower resolution streams for multi-camera displays Multi-Resolution Support of lower resolution streams for multi-camera displays Multi-Resolution Control Ability to program the camera settings from the VMS (Quality/1-8) FPS Control Ability to program the camera settings from the VMS (Quality 1-8) FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports M-JPEG compression V M-JPEG Supports M-JPEG compression V Other DNS Camera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input (Dry Alarm input on camera can be monitored from VMS	✓	✓	✓		Motion Detection
Web Browser (Live) Web Browser (Live) Live camera streams can be viewed thru the ViconNet web viewer Web Browser (Playback) Network Video Controls Multi-Format Streams Ability to send simultaneous streams in different compression formats Multi-Resolution Streams Ability to support of lower resolution streams for multi-camera displays Multicast Ability to support camera multicast streaming Quality/Resolution Control Ability to program the camera settings from the VMS (Quality 1-8) FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports H.264 compression ✓ Camera can be set up and configured in VMS by name Audio In Vion Alarm input (Dry Alarm input (Dry Alarm input on camera can be monitored from VMS ViconNet MPCG ViconNet MPCG Vicon Read Supports Vicon Read penerated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	Motion and Motion and Post Post	Motion and Post			
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ViconNet web viewer Web Browser (Playback) Network Video Controls Multi-Format Streams Ability to send simultaneous streams in different compression formats Multi-Resolution Streams Multi-Resolution Streams Multi-Resolution Support of lower resolution streams for multi-camera displays Multicast Ability to support camera multicast streaming Quality/Resolution Control Ability to program the camera settings from the VMS (Quality 1-8) FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports Standard MPEG-4 compression M-JPEG Supports M-JPEG compression ViconNet MPEG-4 Supports H.264 compression ViconNet MPEG-4 Supports M-JPEG compression Audio Ott Audio Cam be set up and configured in VMS by name Audio Out Alarm input (Dry Alarm input on camera can be monitored from VMS			•	9	Web Browser Interface
Playback the ViconNet web viewer Network Video Controls	Note 1? ✓ Note 1?	✓ Note 1?	✓ Note 1?		Web Browser (Live)
Multi-Format Streams Ability to send simultaneous streams in different compression formats Support of lower resolution streams for multi-camera displays Multicast Ability to support camera multicast streaming Ouality/Resolution Control Ability to program the camera settings from the VMS (Quality 1-8) FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports standard MPEG-4 compression M-JPEG Supports M-JPEG compression M-JPEG Supports H.264 compression Vicamera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	✓	√	√		
Compression formats Multi-Resolution Streams Support of lower resolution streams for multi-camera displays Multicast Ability to support camera multicast streaming Ability to program the camera settings from the VMS (Quality/Resolution Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports M-JPEG compression M-JPEG Supports M-JPEG compression M-JPEG Supports H.264 compression Camera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Alarm Input (Dry Alarm input on camera can be monitored from VMS				ls	Network Video Contro
Streams displays Multicast Ability to support camera multicast streaming Quality/Resolution Control Ability to program the camera settings from the VMS (Quality 1-8) FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports standard MPEG-4 compression M-JPEG Supports M-JPEG compression H.264 Supports H.264 compression Other DNS Camera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	✓	✓	√		Multi-Format Streams
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Control (Quality 1-8) FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports standard MPEG-4 compression M-JPEG Supports M-JPEG compression H.264 Supports H.264 compression Other DNS Camera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	✓	✓	✓	Ability to support camera multicast streaming	Multicast
FPS Control Ability of VMS to lower the frame rate to different users improve system performance Compression ViconNet MPEG-4 Supports ViconNet proprietary MPEG-4 format MPEG-4 Supports standard MPEG-4 compression M-JPEG Supports M-JPEG compression H.264 Supports H.264 compression Other DNS Camera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	√	√	√		
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M-JPEG Supports M-JPEG compression H.264 Supports H.264 compression Other DNS Camera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	✓ ✓	√	✓	Supports standard MPEG-4 compression	MPEG-4
H.264 Supports H.264 compression Other DNS Camera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	✓ ✓	✓	✓		
DNS Camera can be set up and configured in VMS by name Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	✓ ✓	✓	√	·	
Audio In VMS can record audio stream generated from camera Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS	<u> </u>	<u>.</u>			Other
Audio Out Audio can be sent to camera for broadcast Alarm Input (Dry Alarm input on camera can be monitored from VMS					DNS
Alarm Input (Dry Alarm input on camera can be monitored from VMS				VMS can record audio stream generated from camera	Audio In
				Audio can be sent to camera for broadcast	Audio Out
<u>, </u>				Alarm input on camera can be monitored from VMS	Alarm Input (Dry Contact)
Alarm Output (Relay) VMS can control alarm relay on camera				VMS can control alarm relay on camera	Alarm Output (Relay)

Vicon Roughneck® Megapixel Dome Cameras

Feature	Description	Vandalproof Dome Series
	V	
	VICON	V920D Series: V920D, V921D, V922D, V923D Indoor/Outdoor
Auto-detection of camera ViconNet	ViconNet software will search network for new cameras to integrate	✓
Camera Licensing	No license fees required	✓
Recording		
Camera Time Stamp	Camera provides time stamp (not VMS)	
Authorization by user	Only users with valid username and password can connect to camera	√
Museum Search	VMS supports intelligent museum search of video recorded from this camera	
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	√
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Motion and Post
Quick Playback	VMS supports "Quick Playback" feature	✓
Web Browser Interfac	e	
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	✓ Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓
Network Video Contro	ols	
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	√
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays	√
Multicast	Ability to support camera multicast streaming	√
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	√
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	
Compression	T	T
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format	
MPEG-4	Supports standard MPEG-4 compression	√
M-JPEG	Supports M-JPEG compression	✓
H.264	Supports H.264 compression	✓
Other	T	
DNS	Camera can be set up and configured in VMS by name	
Audio In	VMS can record audio stream generated from camera	✓
Audio Out	Audio can be sent to camera for broadcast	/01.00
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓ Only NO
Alarm Output (Relay)	VMS can control alarm relay on camera iconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG	

Vicon Specialty Cameras

Feature	Description	Panoramic Camera	Panoramic Camera
_	VICON		
18		V9360 Indoor	V9360W Outdoor
Driver/Firmware	Required driver or firmware revision to support features	V5.12.12	V5.12.12
Camera Licensing	No license fees required	✓	✓
Recording			
Camera Time Stamp	Camera provides time stamp (not VMS)	√	✓
Authorization by user	Only users with valid username and password can connect to camera	√	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera		
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	√	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	√	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	Post
Quick Playback	VMS supports "Quick Playback" feature	✓	✓
Web Browser Interface	9		
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	✓ Note 1	✓ Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	√	√
Network Video Contro	ls		
Multi-Format Streams	Ability to send simultaneous streams in different compression formats		
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays		
Multicast	Ability to support camera multicast streaming	✓	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)		
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance		
Compression	,		T
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format		
MPEG-4	Supports standard MPEG-4 compression	√	√
M-JPEG	Supports M-JPEG compression	√	✓
H.264	Supports H.264 compression	✓	✓
Other			
DNS	Camera can be set up and configured in VMS by name	✓	✓
Audio In	VMS can record audio stream generated from camera		
Audio Out	Audio can be sent to camera for broadcast		
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS		
Alarm Output (Relay)	VMS can control alarm relay on camera		

Vicon Specialty Cameras (continued)

Feature	Description	Roughneck Cell Camera	Roughneck Cell Camera	Cube Camera*	PTZ IR Dome
,	VICON			**************************************	
	• •	V-CELL-HD Indoor	V-CELL-IP Indoor	V905-CUBE Indoor	SN680D-WNIR Indoor/Outdoor
Auto-detection of camera ViconNet	ViconNet software will search network for new cameras to integrate	✓	934	✓	√
Camera Licensing	No license fees required	✓	✓	√	✓
Recording	·				
Camera Time Stamp	Camera provides time stamp (not VMS)	✓			
Authorization by user	Only users with valid username and password can connect to camera	✓	✓	√	√
Museum Search	VMS supports intelligent museum search of video recorded from this camera				
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS		✓	✓	√
Motion Detection	Ability to tag recorded video based on motion detection criteria	√	✓	√	√
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Motion and Post	Post	Motion and Post	Motion and Post
Quick Playback	VMS supports "Quick Playback" feature	✓	✓	\checkmark	✓
Web Browser Interface	e		\checkmark		
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	✓ Note 1	✓ Note 1	✓ Note 1	✓ Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	√	✓	√	✓
Network Video Contro	ls				
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓		✓	√
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays	√		√	√
Multicast	Ability to support camera multicast streaming			√	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓		√	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	√	✓		
Compression			√		
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format	√			
MPEG-4	Supports standard MPEG-4 compression			✓	
M-JPEG	Supports M-JPEG compression		√	√	✓
H.264	Supports H.264 compression		✓	√	✓
Other			✓		
DNS	Camera can be setup and configured in VMS by name	✓	✓		
Audio In	VMS can record audio stream generated from camera	√		√	✓
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS		✓	✓ Only NO	✓ Only NO
Alarm Output (Relay)	VMS can control alarm relay on camera	√			

Vicon Encoders

Feature	Description	H.264 4-Channel Encoder	H.264 16-Channel Encoder
_	VICON	1111	THE STATE OF THE S
	Y VICON	H264-ENCDR	H264-16CH- ENCDR
Driver/Firmware	Required driver or firmware revision to support features	IP Device 541	IP Device 541
Camera Licensing	No license fees required	✓	✓
Recording			
Camera Time Stamp	Camera provides time stamp (not VMS)	✓	✓
Authorization by user	Only users with valid username and password can connect to camera	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera	✓	✓
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	Post
Quick Playback	VMS supports "Quick Playback" feature	✓	✓
Web Browser Interfac	e		•
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	✓	✓
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓	✓
Network Video Contro	ols		
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓	
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	✓	
Multicast	Ability to support camera multicast streaming	✓	
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓	✓
Compression			
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format		✓
MPEG-4	Supports standard MPEG-4 compression		
M-JPEG	Supports M-JPEG compression		✓
H.264	Supports H.264 compression	✓	
Other		ı	T
DNS	Camera can be setup and configured in VMS by name	✓	✓
Audio In	VMS can record audio stream generated from camera	✓	✓
Audio Out	Audio can be sent to camera for broadcast		
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓	✓
Alarm Output (Relay)	VMS can control alarm relay on camera	✓	✓

Vicon Encoders (continued)

Feature	Description	Single-Channel Encoder
	VICON	VN-901T
Auto-detection of camera ViconNet	ViconNet software will search network for new cameras to integrate	✓
Camera Licensing	No license fees required	✓
Recording		
Camera Time Stamp	Camera provides time stamp (not VMS)	✓
Authorization by user	Only users with valid username and password can connect to camera	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera	✓
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	√
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post
Quick Playback	VMS supports "Quick Playback" feature	✓
Web Browser Interfac	9	
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	✓ Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓
Network Video Contro	ls	
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays	
Multicast	Ability to support camera multicast streaming	
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓
Compression	,	
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format	✓
MPEG-4	Supports standard MPEG-4 compression	
M-JPEG	Supports M-JPEG compression	✓
H.264	Supports H.264 compression	
Other		
DNS	Camera can be set up and configured in VMS by name	<u>√</u>
Audio In	VMS can record audio stream generated from camera	✓
Audio Out	Audio can be sent to camera for broadcast	
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	√
Alarm Output (Relay)	VMS can control alarm relay on camera conNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-	✓ Only No

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.

Vicon V960 Megapixel Cameras

Feature	Description	V960/V990 Series
	VICON	
Auto-detection of camera ViconNet	ViconNet software will search network for new cameras to integrate	✓
Camera Licensing	No license fees required	✓
Recording		
Camera Time Stamp	Camera provides time stamp (not VMS)	✓
Authorization by user	Only users with valid username and password can connect to camera	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera	
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Motion and Post
Quick Playback	VMS supports "Quick Playback" feature	√
Web Browser Interface	е	
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓
Network Video Contro	ls	
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓
Multicast	Ability to support camera multicast streaming	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	
Compression	,	
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format	
MPEG-4	Supports standard MPEG-4 compression	
M-JPEG	Supports M-JPEG compression	√
H.264	Supports H.264 compression	✓
Other	,	
DNS	Camera can be set up and configured in VMS by name	√
Audio In	VMS can record audio stream generated from camera	✓ (V960 only)
Audio Out	Audio can be sent to camera for broadcast	
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓ (V960 only)
Alarm Output (Relay)	VMS can control alarm relay on camera	

Alarm Output (Relay) VMS can control alarm relay on camera

1. ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.

ONVIF Cameras

Note: All features are camera dependant.

Feature	Description	Support
ONVIF Driving network video through global standardization	Vicon has created a generic ONVIF driver that allows cameras that utilize the ONVIF 2.0 standard to be integrated into ViconNet	
Auto-detection of camera ViconNet	ViconNet software will search network for new cameras to integrate	✓
Camera Licensing	License required	
Recording		
Camera Time Stamp	Camera provides time stamp (not VMS)	
Authorization by user	Only users with valid username and password can connect to camera	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera	
Picture Setting Control	Ability to adjust image (color, brightness, contrast. etc.) from VMS	✓ Camera dependant
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓ Camera dependant
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Motion and Post
Quick Playback	VMS supports "Quick Playback" feature	√
Web Browser Interface		
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Notes 1 and 2
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Notes 1 and 2
Network Video Controls		
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓
Multicast	Ability to support camera multicast streaming	✓ Camera dependant
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	
Compression		
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format	
MPEG-4	Supports standard MPEG-4 compression	✓
M-JPEG	Supports M-JPEG compression	√
H.264	Support s H.264 compression	✓
Other	,	
DNS	Camera can be set up and configured in VMS by name	√
Audio In	VMS can record audio stream generated from camera	✓
Audio Out	Audio can be sent to camera for broadcast	,
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	√
Alarm Output (Relay)	VMS can control alarm relay on camera	√
PTZ Control	Supports PTZ camera controls MPEG-4 M. IPEG and H-264 compression. It does not support standard MPEG-4.	✓

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.

2. The web viewer supports display of images with a maximum resolution of 1920x 1080. The web viewer will request lower resolution images from the camera for live viewing. Playback of recorded video in the web viewer is not supported for images exceeding 1920x1080 resolution.

Cameras Tested with ONVIE

Feature	Description	Pelco	Axis	Samsung	Panasonic
		IM10 Series	P1344/P1354 Q1602/Q1604/ P7210	SNV-5080 SNV-7080 SNP-5200 SND-6084	WV-SW316 WV-SF135
Driver/Firmware	Required driver or firmware revision to support features	V1.8.2 (Onvif 2.0)	5.40.9.5/5.40.19/ 5.40.3.5/5.40.3.3/ 5.50.20	3.21 2.21 2.21 2.21	1.82
Profile	Feature package supported by latest firmware				
Camera Licensing	License required				
Recording					
Camera Time Stamp	Camera provides time stamp (not VMS)				
Authorization by user	Only users with valid username and password can connect to camera		√	✓	√
Museum Search	VMS supports intelligent museum search of video recorded from this camera				
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS			√	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria			√	
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)			Post	
Quick Playback	VMS supports "Quick Playback" feature		√	✓	√
Web Browser Interfa	ce				
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	N	√	√	✓
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Le P	√	√	✓
Network Video Contr	rols	<u> </u>			
Multi-Format Streams	Ability to send simultaneous streams in different compression formats		√	✓	✓ Cannot use MPEG and H.26 simultaneously
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	(1)	√	✓	√
Multicast	Ability to support camera multicast streaming	9			
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	Se	√	√	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	0,			
Compression					
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format				
MPEG-4	Supports standard MPEG-4 compression				✓ Only WV-SW316
M-JPEG	Supports M-JPEG compression		√	√	√
H.264	Supports H.264 compression		√	✓	✓
Other	1				
DNS	Camera can be set up and configured in VMS by name		√	√	√
Audio In	VMS can record audio stream generated from camera			√	Only WV-SW316
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS				
Alarm Output (Relay)	VMS can control alarm relay on camera				

^{2.} These models were not tested by Vicon, but were tested by others and were operable with ViconNet. The full extent of functionality is not known.

Cameras Tested with ONVIF (continued)

Feature	Description	Sony	Bosch
		SNT-EX101	FLEXIDOME micro 5000 MP/ FLEXIDOME IP 5000 IR (indoor)
Driver/Firmware	Required driver or firmware revision to support features	1.30.00	73500580 / 98500590
Profile	Feature package supported by latest firmware		
Camera Licensing	License required		
Recording			
Camera Time Stamp	Camera provides time stamp (not VMS)		
Authorization by user	Only users with valid username and password can connect to camera	✓	√
Museum Search	VMS supports intelligent museum search of video recorded from this camera		
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS		√
Motion Detection	Ability to tag recorded video based on motion detection criteria		√
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)		Post
Quick Playback	VMS supports "Quick Playback" feature	✓	✓
Web Browser Interfa	ce		
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	✓	✓
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓	√
Network Video Contr	ols		
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	√	√
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	>	✓
Multicast	Ability to support camera multicast streaming		
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance		
Compression			
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format		
MPEG-4	Supports standard MPEG-4 compression	√	
M-JPEG	Supports M-JPEG compression	√	√
H.264	Supports H.264 compression	✓	✓
Other			
DNS	Camera can be set up and configured in VMS by name	√	√
Audio In	VMS can record audio stream generated from camera	✓	
Audio Out	Audio can be sent to camera for broadcast		
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS		
Alarm Output (Relay)	VMS can control alarm relay on camera		

ACTi Cameras

Feature	Description	MPEG-4 Video Decoder	Megapixel Box Camera
	ACTi		
	Connecting Vision	SED3300/ SED3320	ACM-5601/ 5611B
Driver/Firmware	Required driver or firmware revision to support features	930/A1D-220- V3.07.02-NB	930/A1D-220- V3.08.08-NB
Profile	Feature package supported by latest firmware		MT9M131- RA5_V080507A
Camera Licensing	License required		
Recording			
Camera Time Stamp	Camera provides time stamp (not VMS)	✓	
Authorization by user	Only users with valid username and password can connect to camera	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera		
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)		
Quick Playback	VMS supports "Quick Playback" feature	✓	✓
Web Browser Interfac			I.
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1
Network Video Contro	l Ils		<u> </u>
Multi-Format Streams	Ability to send simultaneous streams in different compression formats		
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays		
Multicast	Ability to support camera multicast streaming	✓	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)		
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓	✓
Compression			
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format		
MPEG-4	Supports standard MPEG-4 compression	✓	√
M-JPEG	Supports M-JPEG compression	√	√
H.264	Supports H.264 compression		
Other	- Supports 11.20 Foothprossion		1
DNS	Camera can be set up and configured in VMS by name	√	√
Audio In	VMS can record audio stream generated from camera		
Audio Out	Audio can be sent to camera for broadcast		
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓	✓
Alarm Output (Relay)	VMS can control alarm relay on camera		
	orts ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not	sunnort standard MPEG-A	I

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.

ACTi Cameras (continued)

Feature	Description	Outdoor Megapixel Bullet Camera	Indoor IP PTZ Speed Dome Camera
	ACTi		
	Connecting Vision	ACM-1231	CAM-6500 Note 2
Driver/Firmware	Required driver or firmware revision to support features	930/A1D-220- V3.08.08-NB	930/A1D-M2N- V2.08.11-NB
Profile	Feature package supported by latest firmware		
Camera Licensing	License required		
Recording			
Camera Time Stamp	Camera provides time stamp (not VMS)		
Authorization by user	Only users with valid username and password can connect to camera	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera		
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)		
Quick Playback Web Browser Interfac	VMS supports "Quick Playback" feature	✓	✓
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web	Note 1	Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1
Network Video Contro	 s		
Multi-Format Streams	Ability to send simultaneous streams in different compression formats		
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays		
Multicast	Ability to support camera multicast streaming	✓	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)		
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓	✓
Compression			
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format		
MPEG-4	Supports standard MPEG-4 compression	✓	✓
M-JPEG	Supports M-JPEG compression	✓	✓
H.264	Supports H.264 compression		
Other		<u> </u>	
DNS	Camera can be set up and configured in VMS by name	√	✓
Audio In	VMS can record audio stream generated from camera		
Audio Out	Audio can be sent to camera for broadcast		
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓	✓
Alarm Output (Relay)	VMS can control alarm relay on camera		

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.

^{2.} CAM-6500 supports PTZ but not Autopan.

ACTi Cameras (continued)

Feature	Description	Megapixel PoE Dome Camera	Megapixel Vandal-Proof PoE Dome Camera	Single-Channel Encoder
	ACT i			
	Connecting Vision	ACM-3401/ ACM-3411	ACM-7411	ACD-2100
Driver/Firmware	Required driver or firmware revision to support features	930/A1D-220- V3.08.08-NB	930/A1D-220- V3.11.13-NB	930/A1D-220- V3.08.08-NB
Profile	Feature package supported by latest firmware	ADV7180- RXX_V071030A		MT9M131- RA5_V080507A
Camera Licensing	License required			
Recording	·			
Camera Time Stamp	Camera provides time stamp (not VMS)			
Authorization by user	Only users with valid username and password can connect to camera	✓	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera			
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓	✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓	✓	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)			
Quick Playback	VMS supports "Quick Playback" feature	✓	\checkmark	✓
Web Browser Interfac	e			
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	Note 1	Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1	Note 1
Network Video Contro	ols			
Multi-Format Streams	Ability to send simultaneous streams in different compression formats			
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays			
Multicast	Ability to support camera multicast streaming	✓	√	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)			
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓	✓	✓
Compression				
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format			
MPEG-4	Supports standard MPEG-4 compression	✓	✓	✓
M-JPEG	Supports M-JPEG compression	✓	✓	✓
H.264	Supports H.264 compression			
Other				
DNS	Camera can be set up and configured in VMS by name	√	✓	✓
Audio In	VMS can record audio stream generated from camera			
Audio Out	Audio can be sent to camera for broadcast			
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓	✓	✓
Alarm Output (Relay)	VMS can control alarm relay on camera			
	ts ViconNat proprietary MDEC 4 M. IDEC and H.264 compression. It does	not cuppert standed MDE	0.4	•

Arecont Vision Cameras

Feature	Description	MegaVideo® M-JPEG Series	MegaVideo® Compact M-JPEG Series	H.264 Series
	Arecont Vision megapixel technology			.
MegaLab F	beyond imagination lay 2011: ViconNet was tested in the Arecont Megalabs. or the complete list of cameras certified by Arecont visit ww.arecontvision.com	AV1300, AV2100, AV3100, AV3130, AV5100	AV1315, AV2115, AV3115, AV5115 Note 3	AV2105, AV3105, AV5105, AV10005, AV2805, AV1355, AV2155, AV3155, AV5155
Driver/Firmware	Required driver or firmware revision to support features	930	930	930
Camera Licensing	License required			
Recording				
Camera Time Stamp	Camera provides time stamp (not VMS)			
Authorization by user	Only users with valid username and password can connect to camera	✓	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera			
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓	✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓	✓	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	Post	Post
Quick Playback	VMS supports "Quick Playback" feature	✓	✓	✓
Web Browser Interfac	e			
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Notes 1 and 2	Notes 1 and 2	Notes 1 and 2
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Notes 1 and 2	Notes 1 and 2	Notes 1 and 2
Network Video Contro	ols			
Multi-Format Streams	Ability to send simultaneous streams in different compression formats		✓	✓
Multicast	Ability to support camera multicast streaming			
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓	✓	✓
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays	✓	✓	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓	✓	✓
Compression		1		1
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format			
MPEG-4	Supports standard MPEG-4 compression			
M-JPEG	Supports M-JPEG compression	✓	√	√
H.264	Support s H.264 compression		✓	✓
Other	T			
DNS	Camera can be set up and configured in VMS by name	✓	✓	✓
Audio In	VMS can record audio stream generated from camera			
Audio Out	Audio can be sent to camera for broadcast			
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS			
Alarm Output (Relay)	VMS can control alarm relay on camera iconNet proprietary MPFG-4. M-JPFG and H 264 compression. It does not support s			

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, N.)PEG and H.264 compression. It does not support standard MPEG-4. 2. The web viewer supports display of images with a maximum resolution of 1920x1080. The web viewer will request lower resolution images from the camera for live viewing. Playback of recorded video in the web viewer is not supported for images exceeding 1920x1080 resolution.

3. In addition to the models listed, there are variants. Operation with ViconNet is not affected. For example: AV1355, AV1355DN, AV1355DN-1HK, AV1355DN-16.

Arecont Vision Cameras (continued)

Feature	Description	Panoramic Series	Panoramic Megapixel	IR Bullet
A	Arecont Vision			6
	megapixel technology beyond imagination	AV8185, AV8365, AV20185*, AV20365*	AV8180	AV1125, AV2125, AV3125, AV5125
Driver/Firmware	Required driver or firmware revision to support features	930	930	930
Camera Licensing	License required			
Recording	1			
Camera Time Stamp	Camera provides time stamp (not VMS)			
Authorization by user	Only users with valid username and password can connect to camera	✓	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera			
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓	✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria		✓	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	Post	Post
Quick Playback	VMS supports "Quick Playback" feature	✓	√	✓
Web Browser Interfac	e			
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Notes 1 and 2	Notes 1 and 2	Notes 1 and 2
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Notes 1 and 2	Notes 1 and 2	Notes 1 and 2
Network Video Contro	ols T	<u> </u>		T
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓		✓
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays			
Multicast	Ability to support camera multicast streaming	✓	✓	√
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓	✓	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓	✓	✓
Compression				<u> </u>
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format			
MPEG-4	Supports standard MPEG-4 compression			
M-JPEG	Supports M-JPEG compression	✓	✓	✓
H.264	Support of H.264 compression format in addition to basic M-JPEG or MPEG-4	✓		✓
Other				
DNS	Camera can be set up and configured in VMS by name	✓	✓	√
Audio In	VMS can record audio stream generated from camera			
Audio Out	Audio can be sent to camera for broadcast			
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS			
Alarm Output (Relay)	VMS can control alarm relay on camera			

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4. 2. The web viewer supports display of images with a maximum resolution of 1920x1080. The web viewer will request lower resolution images from the camera for live viewing. Playback of recorded video in the web viewer is not supported for images exceeding 1920x1080 resolution. *These models were not tested by Vicon, but were tested by others and were operable with ViconNet. The full extent of functionality is not known.

Axis Cameras

Feature	Description	Fixed Wireless Network Box Camera	Fixed Megapixel Box Camera	Video Server	PTZ Network Box Camera
	AXIS'	1	1	- Company	
	COMMUNICATIONS	211A	223M	241Q	213 Note 2
Driver/Firmware	Required driver or firmware revision to support features	930/4.47.1	930/4.45, 4.47.1	930/4.47	930/4.35
Camera Licensing	License required				
Recording					
Camera Time Stamp	Camera provides time stamp (not VMS)		✓	√	
Authorization by user	Only users with valid username and password can connect to camera	✓	✓	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera				
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓	✓	✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria				
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	Post	Post	Post
Quick Playback	VMS supports "Quick Playback" feature	✓	✓	√	✓
Web Browser Interfac	e -	T	T	T	1
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	Note 1	Note 1	Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1	Note 1	Note 1
Network Video Contro	1	T	T	T	T
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓	✓	✓	✓
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	✓	√	√	√
Multicast	Ability to support camera multicast streaming	√	✓	✓	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	M-JPEG only	M-JPEG only	M-JPEG only	M-JPEG only
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance				
Compression		T	T	T	_
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format				
MPEG-4	Supports standard MPEG-4 compression	√	√	√	√
M-JPEG	Supports M-JPEG compression	✓	✓	✓	√
H.264 Other	Support s H.264 compression				V
DNS	Camera can be set up and configured in VMS by name	✓	✓	✓	✓
Audio In	VMS can record audio stream generated from camera	✓	✓	✓	✓
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS				
Alarm Output (Relay)	VMS can control alarm relay on camera				

Axis Cameras (continued)

Feature	Description	HD Network Box Camera	Fixed Dome Camera	Fixed Dome Camera	Fixed Box Camera
	AXIS'A	1			7
	COMMONICATIONS	Q1755	233D	225FD	210
Driver/Firmware	Required driver or firmware revision to support features	930/5.02	930	930	930
Camera Licensing	License required				
Recording					
Camera Time Stamp	Camera provides time stamp (not VMS)	✓			
Authorization by user	Only users with valid username and password can connect to camera	✓			
Museum Search	VMS supports intelligent museum search of video recorded from this camera				
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓			
Motion Detection	Ability to tag recorded video based on motion detection criteria				
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)				
Quick Playback	VMS supports "Quick Playback" feature	✓			
Web Browser Interface	e		()	()	(7
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	е	е	e
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	ot	ot	ot
Network Video Contro	ols				
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓		_	
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	✓	O O	е	O
Multicast	Ability to support camera multicast streaming	✓	<u> </u>	O	<u> </u>
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	M-JPEG only	2	2	S
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance				
Compression			•		
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format	✓			
MPEG-4	Supports standard MPEG-4 compression	✓			
M-JPEG	Supports M-JPEG compression	✓			
H.264	Support s H.264 compression	✓			
Other		,			
DNS	Camera can be setup and configured in VMS by name	✓			
Audio In	VMS can record audio stream generated from camera				
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS				
Alarm Output (Relay)	VMS can control alarm relay on camera ted by Vicon, but were tested by others and were operable w				

^{2.} These models were not tested by Vicon, but were tested by others and were operable with ViconNet. The full extent of functionality is not known.

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4. 2. PTZ Network Camera 213 supports PTZ and autopan.

Axis Cameras (continued)

Feature	Description	HD Network Box Camera	Fixed Dome Camera	Fixed Dome Camera	Network Camera; Encoder
	AXIS'	9			D4044/D4054/
	CONHUNICATIONS	232D	216MFD	216FD	P1344/P1354/ Q1602/Q1604; P7210
Driver/Firmware	Required driver or firmware revision to support features	930	930	4.47.5	5.40.9.5/5.40.19/ 5.40.3.5/5.40.3.3; 5.50.20
Camera Licensing	License required				
Recording					
Camera Time Stamp	Camera provides time stamp (not VMS)				
Authorization by user	Only users with valid username and password can connect to camera	✓		✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera				
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc from VMS	✓		✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria				
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)				
Quick Playback	VMS supports "Quick Playback" feature	✓		✓	✓
Web Browser Interfac	e		\sim		
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	(1)	√	✓
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	te	√	√
Network Video Contro	ols		<u>O</u>		
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓	Z	√	✓
Multi-Resolution Streams	Support of lower resolution streams for multi-camera displays	✓	u	√	✓
Multicast	Ability to support camera multicast streaming	✓	<u>(1)</u>	<u>√</u>	√
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	M-JPEG only	Š	√	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance				
Compression					
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format	√			
MPEG-4	Supports standard MPEG-4 compression	√		√	
M-JPEG	Supports M-JPEG compression	√		√	√
H.264	Support s H.264 compression	✓			✓
Other		ı			
DNS	Camera can be setup and configured in VMS by name	✓			
Audio In	VMS can record audio stream generated from camera			√	√
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS				
Alarm Output (Relay)	VMS can control alarm relay on camera ted by Vicon, but were tested by others and were operable	with VicenNet. The full	ovtont of functionality is	not known	

Mobotix Cameras

Feature	Description	Megapixel Dome Camera	Megapixel Dome Camera
	Security Vision-Systems MOBOTIX	D22	D25
Driver/Firmware	Required driver or firmware revision to support features	930	MX-V4.2.1.61
Camera Licensing	License required		
Recording			
Camera Time Stamp	Camera provides time stamp (not VMS)		
Authorization by user	Only users with valid username and password can connect to camera	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera.		
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS		
Motion Detection	Ability to tag recorded video based on motion detection criteria		
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	
Quick Playback	VMS supports "Quick Playback" feature	✓	✓
Web Browser Interface	(Note 1)		T
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	✓	✓
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓	✓
Network Video Contro	ls		1
Multi-Format Streams	Ability to send simultaneous streams in different compression formats		✓
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays		
Multicast	Ability to support camera multicast streaming		
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	M-JPEG Only	
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	✓	
Compression			
MxPEG	Supports Mobotix proprietary MxPEG format		✓
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format		
MPEG-4	Supports standard MPEG-4 compression		
M-JPEG	Supports M-JPEG compression	✓	✓
H.264	Supports H.264 compression		
Other	T		T
DNS	Camera can be set up and configured in VMS by name	✓	✓
Audio In	VMS can record audio stream generated from camera		
Audio Out	Audio can be sent to camera for broadcast		
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS		
Alarm Output (Relay)	VMS can control alarm relay on camera		

Panasonic Cameras

Feature	Description	Fixed Box Camera	PTZ Dome Camera**	Megapixel Box Camera	Vandal-Res. Fixed Dome Camera
P	anasonic			0	
		WV-NP244	WV-NS202A Note 2	WV-NP1000	WV-NW484S
Driver/Firmware	Required driver or firmware revision to support features	930/1.22E	930/4.45	930/1.24P2	930
Camera Licensing	License required			See Note 3	
Recording			•	•	•
Camera Time Stamp	Camera provides time stamp (not VMS)				
Authorization by user	Only users with valid username and password can connect to camera	✓	✓	✓	
Museum Search	VMS supports intelligent museum search of video recorded from this camera.				
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS				
Motion Detection	Ability to tag recorded video based on motion detection criteria				
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	Post	Post	
Quick Playback	VMS supports "Quick Playback" feature	✓	✓	✓	
Web Browser Interface	9				(7
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	Note 1	Note 1	a
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1	Note 1	ot
Network Video Contro	ls		T	1	
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓	✓	✓	Z
Multicast	Ability to support camera multicast streaming	✓	✓	✓	<u>(1)</u>
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	✓	✓	✓	
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	M-JPEG only	M-JPEG only	M-JPEG only	S
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance				
Compression	1		Т	T	
ViconNet	Supports ViconNet proprietary MPEG-4 format				
MPEG-4	Supports standard MPEG-4 compression	√	√	√	
M-JPEG	Supports M-JPEG compression	✓	√	✓	
H.264	Supports H.264 compression				
Other			T	1	
DNS	Camera can be set up and configured in VMS by name	✓	✓	✓	
Audio In	VMS can record audio stream generated from camera				
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS				
Alarm Output (Relay)	VMS can control alarm relay on camera iconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does i	not cunnort ctandard MDE	ic 4		

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.
2. PTZ Network Camera WV-NS202A supports PTZ and autopan.
3. This model was not tested by Vicon, but was tested by others and was operable with ViconNet. The full extent of functionality is not known.

Sony Cameras

Feature	Description	PTZ Dome Camera	WDR Dome Camera	Mini-Dome Camera	Dome Camera
S	SONY		T		0
		SNCRZ25N Note 2	SNCDF50N	SNCDF40N/ SNCDF70N	SNCRX550N
Driver/Firmware	Required driver or firmware revision to support features	930/1.23	930/1.11	930/1.13	930
Camera Licensing	License required				
Recording					•
Camera Time Stamp	Camera provides time stamp (not VMS)				
Authorization by user	Only users with valid username and password can connect to camera	✓	✓		
Museum Search	VMS supports intelligent museum search of video recorded from this camera				
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS	✓	✓		
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓	✓		
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	Post		
Quick Playback	VMS supports "Quick Playback" feature	✓	✓		
Web Browser Interface	e				
Web Browser (Live)*	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	Note 1	∞	3
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1		е
Network Video Contro	ls		1		<u> </u>
Multi-Format Streams	Ability to send simultaneous streams in different compression formats		Not with H.264	ot	0
Multicast	Ability to support camera multicast streaming	✓	✓		
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)				(1)
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays		✓	6	l G
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance	M-JPEG Unicast Only	M-JPEG Unicast Only	Se	S
Compression			1		
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format				
MPEG-4	Supports standard MPEG-4 compression	√	√		
M-JPEG	Supports M-JPEG compression	<u>√</u>	√		
H.264	Supports H.264 compression	✓	✓	4	4
Other			,		
DNS	Camera can be set up and configured in VMS by name	✓	✓		
Audio In	VMS can record audio stream generated from camera	✓	✓		
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓	✓		
Alarm Output (Relay)	VMS can control alarm relay on camera				

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.
2. PTZ Network Camera SNCRZ25N supports PTZ but not autopan.
3. These models were not tested by Vicon, but were tested by others and were operable with ViconNet. The full extent of functionality is not known.

Vivotek Cameras

Feature	Description	Fixed Indoor PoE Dome Camera	Megapixel PoE Box Camera	Megapixel Box Camera	Megapixel PoE Vandal- Proof Dome Camera
O VIVOTEK BUILT WITH RELIABILITY		FD7131	IP7138	IP8161	IP8361
Driver/Firmware	Required driver or firmware revision to support features	0100d	0201i	IFOIOI	0101a
Camera Licensing	License required				
Recording	·	<u> </u>	L	1	
Camera Time Stamp	Camera provides time stamp (not VMS)				
Authorization by user	Only users with valid username and password can connect to camera	✓	✓	✓	✓
Museum Search	VMS supports intelligent museum search of video recorded from this camera.				
Picture Setting Control	Ability to adjust image (color, brightness, contrast, etc.) from VMS				
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓	✓	✓	✓
Motion Based Recording	VMS records events: before motion (Pre); during motion (Motion); after motion (Post)	Post	Post	Post	Post
Quick Playback	VMS supports "Quick Playback" feature	✓	√	√	✓
Web Browser Interfac	e	T	1		T
Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	Note 1	Note 1	Note 1
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1	Note 1	Note 1
Network Video Contro	ols T		T	1	T
Multi-Format Streams	Ability to send simultaneous streams in different compression formats	√	✓	✓	✓
Multicast	Ability to support camera multicast streaming	✓	✓	✓	✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	M-JPEG Only	M-JPEG Only	M-JPEG Only	M-JPEG Only
Multi-Resolution Streams	Support of lower resolution streams for multi- camera displays	✓	✓	✓	✓
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance				
Compression	1	Г	T	T	1
ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format				
MPEG-4	Supports standard MPEG-4 compression	√	√	√	√
M-JPEG	Supports M-JPEG compression	√	√	√	√
H.264	Supports H.264 compression	V	v	✓	Y
Other DNS	Camera can be set up and configured in	✓	✓	✓	✓
Audio In	VMS by name VMS can record audio stream generated from camera				
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓	✓	✓	✓
Alarm Output (Relay)	VMS can control alarm relay on camera				

^{1.} ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4.