

ViconNet® Version 8 Camera and Edge Device Support



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IQeye Megapixel Cameras

Feature	Description	
		
		Alliance-pro/Alliance-mx/ Alliance-mini/3 Series/7 Series/R5 Series/ Sentinel Series (IQA3X,IQM3X,IQM5X,IQD3X,IQD5X,IQ03X,IQ76X,IQR5X,IQ86X,IQ87X)
Driver/Firmware	Required driver or firmware revision to support features	4.1/252 (4.1/256 for IQ87X)
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		
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 Controls		
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	✓ (except IQ86X)
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.

Vicon Surveyor® Cameras

Feature	Description	Surveyor HD PTZ Dome Series
		 Surveyor Network (2/1.3 megapixel) Outdoor/Impact-Resistant/Pressurized
Driver/Firmware	Required driver or firmware revision to support features	7.1.15
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

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 Controls

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

Feature	Description	PTZ Dome Series
		 SN660V/SN663V/SN663V-A Indoor/Outdoor
Firmware	Firmware revision to support features	2.7.8/1.5.2/1.2.3
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 (only brightness for SN663V/ SN663V -A)	✓
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

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 Controls

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	✓ Only NO
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.

Vicon Cost-Effective Cameras

Feature	Description	Megapixel Dome Camera	Megapixel Bullet Camera	Megapixel Dome Camera	Megapixel Dome Camera
					
		CE-102D Indoor	CE102B-NIR Outdoor	CE-202D-N Indoor	CE-202D-WN Outdoor
Firmware	Firmware revision to support features	1.5.8	1.5.8	2.0.6	2.0.6
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	Motion and Post	Motion and 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	✓ 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 Controls

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 & 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.

Vicon Roughneck® Megapixel Dome Cameras

Feature	Description	Vandalproof Dome Series
		 V920 Series: V920D, V921D/V922D, V923D, V923B Indoor/Outdoor
Firmware	Firmware revision to support features	2.3.1/2.0.6
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

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 Controls

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	✓ (except V923B)
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 (except V923B)
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.

Vicon Roughneck® Megapixel Cameras

Feature	Description	Vandalproof Camera Series
		
		V2000/V2100 Series: V2000D/V2000D-Micro/ V2000B/V2000-Box, V2100D/V2100B/V2100B-Mini Indoor/Outdoor
Firmware	Firmware revision to support features	3089 (V2000 Pro)/ 3824 (V2100)
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)	-
Quick Playback	VMS supports "Quick Playback" feature	✓

Web Browser Interface

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 Controls



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	✓ (except V2100)
Audio Out	Audio can be sent to camera for broadcast	-
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS	✓ Only Normally Open (NO) (except V2100)
Alarm Output (Relay)	VMS can control alarm relay on camera	-

Feature	Description	PTZ IR Dome
		 V2002D-PTZ
Firmware	Firmware revision to support features	4214
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

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 Controls



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

Feature	Description	360° Multi-Sensor Camera
		 V1020-WIR-360
Firmware	Firmware revision to support features	0038
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

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 Controls

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 & 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
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.

Vicon Specialty Cameras

Feature	Description	Panoramic Camera	Panoramic Camera	Panoramic Camera
				
		V9360 Indoor	V9360W Outdoor	V9360-1/V9360W-1 Indoor/Outdoor
Driver/Firmware	Required driver or firmware revision to support features	V5.12.12	V5.12.12	vn20150409NSZ
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	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	✓ Note 1	✓ Note 1	✓
Web Browser (Playback)	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-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 & 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
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.

Vicon Specialty Cameras (continued)

Feature	Description	Roughneck Cell Camera	Roughneck Cell Camera	Cube Camera*	PTZ IR Dome
					
		V-CELL-HD Indoor	V-CELL-IP Indoor	V905-CUBE Indoor	SN680D-WNIR/SN680D-A Indoor/Outdoor
Firmware	Firmware revision to support features	2.7.8	2.7.8	2.4.8	1.5.2/1.2.3
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	✓	✓	✓	✓
Web Browser Interface					
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 Controls					
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 & 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	✓			

1. ViconNet web viewer supports ViconNet proprietary MPEG-4, M-JPEG and H.264 compression. It does not support standard MPEG-4. *V905-CUBE discontinued.

Vicon Encoders

Feature	Description	H.264 4-Channel Encoder	H.264 16-Channel Encoder
		 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 Interface

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 Controls

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

Vicon Encoders (continued)

Feature	Description	Single-Channel Encoder
		 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 Interface		
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 Controls		
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	✓ 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
		
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		
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 Controls		
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	

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 dependent.

Feature	Description	Support
	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 dependent
Motion Detection	Ability to tag recorded video based on motion detection criteria	✓ Camera dependent
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 dependent
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	✓

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.

Cameras Tested with ONVIF

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 WV-NP502 WV-SF138
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 Interface

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 Controls

Multi-Format Streams	Ability to send simultaneous streams in different compression formats		✓	✓	✓ Cannot use MPEG and H.264 simultaneously
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				✓ Only WV-SW316
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			✓	✓ Only WV-SW1386
Audio Out	Audio can be sent to camera for broadcast				
Alarm Input (Dry Contact)	Alarm input on camera can be monitored from VMS				✓ Only Ver.8 WV-WV-NP502/ WV-SW316
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	Dahua	HikVision
		SNT-EX101 SNC-DH210 SNC-EP550	FLEXIDOME micro 5000 MP/ FLEXIDOME IP 5000 IR (indoor) VG5-825 ETEV (AutoDome 800 VIP-X1-XF-IVA (1 channel server))	SD65XX- HN	DS-2CD2132
Driver/Firmware	Required driver or firmware revision to support features	1.30.00	73500580/98500590/07500453/405005732	1.0.0	V5.2.0 140721
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	✓ (SNC-DH210 only)	✓ (except VG5-825-ETEVEV)	✓	✓
Motion Detection	Ability to tag recorded video based on motion detection criteria		✓ (Flexidomes only)		✓
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 Interface

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 Controls

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	✓)	✓ (AutoDome only)		✓
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	✓ (SNC-EP550 only)	✓	✓	✓
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	✓ (SNT-EX101 only)			
M-JPEG	Supports M-JPEG compression	✓	✓ (AutoDome/Server only)	✓	✓
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	✓ (SNT-EX101 only)			
Audio Out	Audio can be sent to camera for broadcast				

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Feature	Description	Sony	Bosch	Dahua	HikVision
		SNT-EX101 SNC-DH210 SNC-EP550	FLEXIDOME micro 5000 MP/ FLEXIDOME IP 5000 IR (indoor) VG5-825 ETEV (AutoDome 800 VIP-X1-XF-IVA (1 channel server))	SD65XX- HN	DS-2CD2132
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
			
		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 Interface

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 Controls

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		

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
		 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	VMS supports "Quick Playback" feature	✓	✓

Web Browser Interface

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 Controls

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		

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
		 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	✓	✓	✓

Web Browser Interface

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 Controls

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			

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

Arecont Vision Cameras

Feature	Description	MegaVideo® M-JPEG Series	MegaVideo® Compact M-JPEG Series	H.264 Series
  May 2011: ViconNet was tested in the Arecont Megalabs. For the complete list of cameras certified by Arecont visit www.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 Interface

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 Controls

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	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			

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.
 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
		 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

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

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 Controls

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	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
		 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 Interface

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 Controls

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






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				

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	Fixed Box Camera
					
		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

Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	See Note 2	See Note 2	See Note 2
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1			

Network Video Controls

Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓	See Note 2	See Note 2	See Note 2
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





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				

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.

Axis Cameras (continued)

Feature	Description	HD Network Box Camera	Fixed Dome Camera	Fixed Dome Camera	Network Camera; Encoder
		 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 Interface

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	Note 1		✓	✓

Network Video Controls

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



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				

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.

Robotix Cameras

Feature	Description	Megapixel Dome Camera	Megapixel Dome Camera
			
		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)

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 Controls

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

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
		 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

Web Browser (Live)	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	Note 1	Note 1	See Note 2
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1	Note 1	

Network Video Controls

Multi-Format Streams	Ability to send simultaneous streams in different compression formats	✓	✓	✓	See Note 2
Multicast	Ability to support camera multicast streaming	✓	✓	✓	
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	
FPS Control	Ability of VMS to lower the frame rate to different users improve system performance				

Compression





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

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 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
SONY					
		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

Web Browser (Live)*	Live camera streams can be viewed thru the ViconNet web viewer	Note 1	Note 1	See Note 3	See Note 3
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1		

Network Video Controls

Multi-Format Streams	Ability to send simultaneous streams in different compression formats		Not with H.264	See Note 3	See Note 3
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	M-JPEG Unicast Only	M-JPEG Unicast Only		

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	✓	✓	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
					
		FD7131	IP7138	IP8161	IP8361
Driver/Firmware	Required driver or firmware revision to support features	0100d	0201i		0101a
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 Interface

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 Controls

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

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				

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