

ViconNet Version 6.5 Camera and Edge Device Support






Issued July 2012

Vicon Surveyor® Cameras

Feature	Description	Surveyor HD PTZ Dome Series	Surveyor PTZ Dome Series	Surveyor Fixed Dome Series
				
		Surveyor HD Network (1.3 megapixel) Indoor/Outdoor	SVFT PTZ All ViconNet (-V) models Indoor/Outdoor	SVFT Fixed All ViconNet (-V) models Indoor/Outdoor
Driver/Firmware	Required driver or firmware revision to support features	930	930	930
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, ...) 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	✓	✓	✓
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			
MJPEG	Supports MJPEG 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 Surveyor® Cameras (Continued)

Feature	Description	Surveyor-Mini PTZ Dome Series	Surveyor-Mini PTZ Dome Series
			
		SVR All ViconNet (-V) models Indoor/Outdoor	SVR All H.264 (-O) models Indoor/Outdoor
Driver/Firmware	Required driver or firmware revision to support features	930	930
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, ...) 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		
MJPEG	Supports MJPEG 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 Megapixel Fixed Dome Cameras

Feature	Description	Megapixel Dome Camera	Megapixel Dome Camera	Megapixel Dome Camera	Megapixel Dome Camera
		 I-ONYX MPD-955 Indoor	 I-ONYX MPD-955DN-O Series Outdoor	 MPD-980DN Indoor	 MPD-980DN-O Outdoor
Driver/Firmware	Required driver or firmware revision to support features	930	930	930	930
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, ...) 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 2	Note 2
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	✓	Note 1	Note 2	Note 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	✓	✓	✓	✓
MJPEG	Supports MJPEG 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, MJPEG 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.

Vicon Megapixel Box Cameras

Feature	Description	Megapixel Box Camera	Megapixel Bullet Camera	Megapixel Box Camera
		 I-ONYX MP-955 Series Indoor	 I-ONYX MP-955IR Indoor/Outdoor	 I-ONYX MP-980DN Indoor
Driver/Firmware	Required driver or firmware revision to support features	930	930	930
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, ...) 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	Notes 1 and 2
Web Browser (Playback)	Recordings from the camera can be played back on the ViconNet web viewer	Note 1	Note 1	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	Support of ViconNet proprietary MPEG-4 format			
MPEG-4	Supports standard MPEG-4 compression	✓	✓	✓
MJPEG	Supports MJPEG 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, MJPEG 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.

Vicon Standard Resolution Dome Cameras

Feature	Description	Roughneck® Vandal-Proof Dome Series	Fixed Dome Camera
		 V910 All ViconNet (-V) models Indoor/Outdoor	 VND-970IP Indoor
Driver/Firmware	Required driver or firmware revision to support features	930	930
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, ...) 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
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)	✓	✓
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		✓
MJPEG	Supports MJPEG 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, MJPEG and H.264 compression. It does not support standard MPEG-4.

Vicon Standard Resolution Cameras

Feature	Description	Box Camera	Box Camera
		 VN-856V5 Indoor	 VN-957DNDV5 Indoor
Driver/Firmware	Required driver or firmware revision to support features	930	930
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, ...) 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
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		✓
MJPEG	Supports MJPEG 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, MJPEG and H.264 compression. It does not support standard MPEG-4.

Vicon Specialty Cameras

Feature	Description	Roughneck Corner-Mount Series	Roughneck Corner-Mount Series
			
		V15CCM-IR-2 IP (ViconNet)	V15CCM-IR-2 IP2 (H.264)
Driver/Firmware	Required driver or firmware revision to support features	930	930
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, ...) 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	4	
MPEG-4	Supports standard MPEG-4 compression		
MJPEG	Supports MJPEG 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

Feature	Description	H264 4-Channel Encoder	4-Channel Encoder	Single-Channel Encoder
				
		H264-ENCDR	KTX-4	VN-301T
Driver/Firmware	Required driver or firmware revision to support features	IP Device 533	IP Device 533	IP Device 533
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, ...) 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	✓	✓	✓
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			
MJPEG	Supports MJPEG 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 V960 Megapixel Cameras

Feature	Description	V960 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, ...) 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	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)	✓
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	
MJPEG	Supports MJPEG 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, MJPEG 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.

ONVIF Cameras

Note: All features are camera dependant.

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	No license fees required	

Recording

Camera Time Stamp	Camera provides time stamp (not VMS)	Camera dependant
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, ...) 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	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	✓
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	✓
MJPEG	Supports MJPEG 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, MJPEG 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 IM10 Series
Driver/Firmware	Required driver or firmware revision to support features	V1.8.2 (Onvif 2.0)
Profile	Feature package supported by latest firmware	
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, ...) 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	See Note 2
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	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)	
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	
MJPEG	Supports MJPEG 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	

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.

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	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, ...) 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	✓	✓
MJPEG	Supports MJPEG 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, MJPEG 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	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, ...) 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	✓	✓
MJPEG	Supports MJPEG 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, MJPEG 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	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, ...) 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	✓	✓	✓
MJPEG	Supports MJPEG 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, MJPEG and H.264 compression. It does not support standard MPEG-4.

Arecont Vision Cameras

Feature	Description	MegaVideo® MJPEG Series	MegaVideo® Compact MJPEG Series	H.264 Series
  <p>May 2011: ViconNet was tested in the Arecont Megalabs. For the complete list of cameras certified by Arecont visit www.arecontvision.com</p>		 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	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, ...) 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			
MJPEG	Supports MJPEG 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, MJPEG 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
		930	930	930
Driver/Firmware	Required driver or firmware revision to support features	930	930	930
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, ...) 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			
MJPEG	Supports MJPEG compression	✓	✓	✓
H.264	Support of H.264 compression format in addition to basic MJPEG 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, MJPEG 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	930/4.45	930/4.47	930/4.35
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, ...) 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)	MJPEG only	MJPEG only	MJPEG only	MJPEG 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	✓	✓	✓	✓
MJPEG	Supports MJPEG 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, MJPEG 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	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, ...) 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	See Note 2	See Note 2	See Note 2

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	✓	See Note 2	See Note 2	See Note 2
Multicast	Ability to support camera multicast streaming	✓	See Note 2	See Note 2	See Note 2
Quality/Resolution Control	Ability to program the camera settings from the VMS (Quality 1-8)	MJPEG only	See Note 2	See Note 2	See Note 2
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	✓			
MJPEG	Supports MJPEG 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				

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

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
			
		232D	216MFD
Driver/Firmware	Required driver or firmware revision to support features	930	930
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, ...) 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
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
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)	MJPEG 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	✓	
MJPEG	Supports MJPEG 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		

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

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.

IQinVision Cameras

Feature	Description	Megapixel Box Cameras	Megapixel Box Camera	Megapixel Vandal-Res Dome Camera
		 IQ700/750 7 Series	 IQeye511 5 Series	 IQA23S Alliance Series
Driver/Firmware	Required driver or firmware revision to support features	930	930/V2.8/4(071114)	V3.0/4(091112)
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, ...) 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
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)		✓	MJPEG 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			
MJPEG	Supports MJPEG 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, MJPEG 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. 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.

Robotix Cameras

Feature	Description	Megapixel Dome Camera
		 D22
Driver/Firmware	Required driver or firmware revision to support features	930
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, ...) 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)	MJPEG 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	
MJPEG	Supports MJPEG 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, MJPEG and H.264 compression. It does not support standard MPEG-4.

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	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, ...) 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)	MJPEG only	MJPEG only	MJPEG 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	✓	✓	✓	
MJPEG	Supports MJPEG 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, MJPEG 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	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, ...) 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	MJPEG Unicast Only	MJPEG Unicast Only		

Compression

ViconNet MPEG-4	Supports ViconNet proprietary MPEG-4 format				
MPEG-4	Supports standard MPEG-4 compression	✓	✓		
MJPEG	Supports MJPEG 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, MJPEG 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	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, ...) 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)	MJPEG Only	MJPEG Only	MJPEG Only	MJPEG 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	✓	✓	✓	✓
MJPEG	Supports MJPEG 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, MJPEG and H.264 compression. It does not support standard MPEG-4.