

Product Features

- Blast resistant memory storage device
- Records and preserves images captured prior to an explosion (such as that caused by a suicide bomber)
- Stand alone self contained easy to install video storage system
- Video recording at the edge
 - Acts as a remote server or DVR (no data loss via ERS*)
- Composite video out
- Built in motion detection available
- M-JPEG/MPEG-4 compression
- Customizable camera front ends to OEMs
- Includes customized image viewer
- 12" cable with locking connector

Options

- Power over Ethernet (future)
- Audio I/O
- USB
- Analog & Ethernet output
- Customizable housings
- Variable lens choices
- H.264 Available soon



Certifications

- CE, FCC

Technical Specifications

Electrical

	20NF744 NTSC	21NF744 PAL
Image Sensor	1/3" IL CCD	
Picture Elements	768 x 492	752 x 582
Resolution	480 TVL	
Sensitivity	0.5 LUX (50 IRE) f1.2 3200°K	
Frame Rate	1 fps (recording)	
	30 fps (viewing)	25 fps (viewing)
Signal to Noise Ratio	>48 dB (AGC off)	
Gamma	0.45	
Gain Control	AGC 36dB	
Synchronization	Internal (crystal controlled)	
Scan Mode	Interlaced	
White Balance	AWB	
Contour Enhancement	On	
Iris Controls	Electronic/DC auto iris (optional)	
Video Output	Composite 1Vp-p CVBS @ 75Ω	
Power Supply	+12VDC (+/-10%)	
Power Consumption	4.0W	

Network/Serial

Video Compression	M-JPEG/MPEG4 H.264/M-JPEG (coming soon)
Network Protocol(s)	TCP/IP, UDP, SMTP, HTTP, SNMP, RTP, RTSP, RTCP, FTP, ICMP, MULTICAST, ICMP, SSDP, ARP, DHCP
Viewer Operating System(s)	Windows 2000, XP, Vista, 7.x, Linux (coming soon)
Viewer Browser(s)	Internet Explorer 6.x or Netscape Navigator 7.x, Mozilla Firefox
Network Type	Ethernet (RJ-45 wired, 10/100 base-TX), MDIX support
Network API	Supported with SDK
Network Capabilities	Live/rec./play/PTZ camera control/ system setup
Network Throughput/Delay	12Mb/sec
Web Server Access	10 simultaneous users

Environmental

Operating Temperature	-15°C ~ 55°C (5°F ~ 131°F)
Storage Temperature	-30°C ~ 80°C (-22°F ~ 176°F)
Operating Humidity	20 to 93% RH
Storage Humidity	Up to 98% RH
Lifetime	MTBF > 150,000 hours
Packaging	Metallized, conductive bags
Warning: Avoid aiming the camera at the sun or other extremely bright lights. The CCD image sensor may be damaged if exposed to very bright objects.	

Mechanical

Dimensions W x H x D	50.4mm x 50.4mm x 112.5mm (1.98" x 1.98" x 4.43")
Weight	321g (11oz)
Alarm Notice	Motion detect

Accessories

Included	12" barrel power cable with locking connector (has resistance to vibration, mechanical shock, temperature ISO, 16750-3: vibration RJ-45 connector (female) SDHC Class 6 SD card
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ERS*

Videology has designed a proprietary file system for our network camera family (hereinafter referred to as the VIDEO file system), which provides for continuous, uninterrupted recording of video in a loop type fashion with a guarantee of no data loss.