



Network Dome Camera

IV-FD161VKMP

Features:

- . 2-megapixel CMOS Sensor
- . 3 ~ 9 mm Vari-focal, Auto-iris Lens
- . Removable IR-cut Filter for Day & Night Function
- . Built-in IR Illuminators, Effective up to 15 Meters
- . Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- . Simultaneous Multiple Streams
- . Video Cropping for Bandwidth Saving
- . ePTZ for Data Efficiency
- . Activity Adaptive Streaming for Dynamic Frame Rate Control
- . Built-in PIR Sensor for Human Detection
- . Tamper Detection for Unauthorized Changes
- . Built-in 802.3af Compliant PoE
- . Built-in SD/SDHC Card Slot for On-board Storage
- . 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- . Recessed Design with Cable Management for Clean Installation
- . Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



SPECIFICATION		IV-FD161VKMP
System	CPU	TI DM365 SoC
	Flash / RAM	128MB + 256MB
	Embedded OS	Linux 2.6
Lens		Board lens, Vari-focal, f = 3 ~ 9 mm, F1.2 (wide), F2.1 (tele), auto-iris Removable IR-cut filter for day & night function
Camera Specifications	Image Sensor	1/3.2" CMOS sensor in 1600x1200 resolution
	Min. illumination	0 Lux / F1.2 (IR LED on)
	IR illuminator	Built-in IR illuminators, effective up to 20 meters; IR LED*18
	Shutter Time	1/5 sec. to 1/40,000 sec.
	Angle of view	31.7° ~ 93.0° (horizontal); 23.8° ~ 68.4° (vertical)
Video	Compression	H.264, MJPEG & MPEG-4
	Streaming	Simultaneous multiple streams; H.264 streaming over UDP, TCP, HTTP, or HTTPS
		MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
	Supports	MPEG-4 multicast streaming; MJPEG streaming over HTTP or HTTPS
		activity adaptive streaming for dynamic frame rate control, video cropping for bandwidth efficiency ePTZ for data efficiency, 3GPP mobile surveillance
Frame Rate	MPEG-4: up to 30 fps at 1280x720, up to 15 fps at 1600x1200 MJPEG: up to 30 fps at 1280x1200, up to 15 fps at 1600x1200	
Interface	BNC connector for video output; NTSC/PAL video output switch	
Image Settings		Adjustable image size, quality and bit rate, Time stamp and text caption overlay Configurable brightness, contrast, saturation, sharpness, white balance, and exposure Flip & mirror, AGC, AWB, AEC; Automatic, manual, or scheduled day/night mode BLC (Backlight Compensation) Supports privacy masks
Audio	Compression	GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps
		MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps
	Interface	G.711 audio encoding, bit rate: 64 kbps, μ -Law or A-Law mode selectable Built-in microphone; External microphone input; Audio/Video output; Video output
Networking	Support	External/Internal microphone switch
		two-way audio via SIP protocol; audio mute
	Protocols	10/100 Mbps Ethernet, RJ-45 ONVIF IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1X
Alarm and Event Management		Triple-window video motion detection, Tamper detection One D/I and one D/O for external sensor and alarm Event notification using HTTP, SMTP or FTP PIR (Passive Infrared Sensor) for human detection; Local recording or MP4 file
On-board Storage		SD/SDHC card slot; Stores snapshots and video clips
Security		Multi-level user access with password protection IP address filtering, HTTPS encrypted data transmission 802.1X port-based authentication for network protection
Users		live viewing for up to 10 clients
Dimensions		Ø 143 mm x 106 mm
Weight	NET	697 g
LED indicators		System power and status indicator; System activity and network link indicator
Power	PoE	802.3af compliant Power-over-Ethernet
	Consumption	12V DC; Max. 6.5 W
Approvals		CE, LVD, FCC, VCCI, C-Tick
Operating Environments	Temperature	0 ~ 50 °C (32 ~ 122 °F)
	Humidity	90% RH
Viewing System	Operation System	Microsoft Windows 7/Vista/XP/2000
	Browser	Mozilla Firefox, Internet Explorer 6.x or above
	Cell phone	3GPP player
	Real Player	10.5 or above
Quick Time		6.5 or above
Installation, Management and Maintenance		3-axis mechanism for flexible ceiling and wall mount installation Camera angle adjustment: pan 350°, tilt 85°, rotate 350°; Installation Wizard 2 32-CH recording software Supports firmware upgrade
Applications		SDK available for application development and system integration