



FV2028-TM

Specs

Model	FV2028-TM
Application Environment	
Indoor / Outdoor	Indoor / Outdoor
Weatherproof (http://surveillance.aver.com/IP-camera-glossary.aspx#a11)	IP68
Vandal-Proof (http://surveillance.aver.com/IP-camera-glossary.aspx#a7)	IK10
Day / Night Control (http://surveillance.aver.com/IP-camera-glossary.aspx#a3)	Auto / Manual / Schedule
Camera Image	
Sensor	1/2.7" CMOS
Min. Illumination	Color: 0.4 lux @ F1.2 Black & White: 0.05 lux @ F1.2 0 lux @ F1.2 (IR LED on)
Built-in IR LEDs (http://surveillance.aver.com/IP-)	Yes - Adjustable Strength (Osram)

camera-glossary.aspx#a16)	
IR Distance	30m
Mechanical ICR	Yes
Auto Iris	Yes
Lens	
Lens Type	Motorized vari-focal lens
F/no	F1.2
Focal Length	f=3~9mm
Angle of View	115.2° (W) ~ 40.1° (T) (horizontal) 74.9° (W) ~ 23.1° (T) (vertical)
Bracket Adjustment	Pan: 280°, Tilt: 30°~90°, Totation: 100°
Video	
Compression	H.264 / MPEG-4 / MJPEG simultaneously
Max. Resolution (H.264 / MJPEG)	Full HD (1920 x 1080)
Max. Frame Rate	H.264 / MPEG-4 up to 30fps (1920 x 1080) MJPEG up to 30fps (1280 x 1024)
Streaming	H.264 / MPEG-4 / MJPEG
Multiple Streams	Yes
WDR (Wide Dynamic Range) (http://surveillance.aver.com/IP-camera-glossary.aspx#a10)	D-WDR
BLC (Backlight Compensation) (http://surveillance.aver.com/IP-camera-glossary.aspx#a2)	Yes
DNR (Digital Noise Reduction) (http://surveillance.aver.com/IP-camera-glossary.aspx#a2)	2D, 2D/3D (dynamic)

camera-glossary.aspx#a4)	
Smart Stream (http://surveillance.aver.com/IP-camera-glossary.aspx#a13)	Yes
ROI (Region of Interest) (http://surveillance.aver.com/IP-camera-glossary.aspx#a12)	Yes
IMD (Intelligent Motion Detection) zone (http://surveillance.aver.com/IP-camera-glossary.aspx#a6)	3
Privacy Mask	3
Image Orientation	Mirror, Flip
Audio	
Audio Encoder	G.711 / AAC audio compression
Audio Streaming	2-way audio (http://surveillance.aver.com/IP-camera-glossary.aspx#a1)
Microphone	External Microphone Input
Network	
Protocol	HTTP, HTTPS, TCP/IP (IPv4, IPv6), QoS, UPnP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, 3GPP (video only), Samba, SNMP(V1/V2c/V3), 802.1X
Ethernet	Ethernet (10/100 Base-T), RJ45 connector
Security	password protection, IP address filtering, HTTPS encrypted data transmission
User	Up to 10 users simultaneously
Alarm	
Trigger event	Event Booster (http://surveillance.aver.com/IP-camera-glossary.aspx#a18), mail, FTP, save to memory card, relay, Samba

Interface	
Digital Input / Output	1 / 1
Built-in Storage Option	MicroSDHC / microSDXC card (64GB max.)
General	
Power Supply	DC 12V / PoE
DC	Power Consumption 5W (IR LED off / heater off) 12W (IR LED on / heater off) 13W (IR LED off / heater on) 20W (IR LED on / heater on)
PoE (http://surveillance.aver.com/IP-camera-glossary.aspx#a8)	PoE Class 4 (IEEE802.3at) power consumption: 7W (IR LED off / heater off) 14W (IR LED on / heater off) 15W (IR LED off / heater on) 22W (IR LED on / heater on)
Dimensions	144.3 Ø x 114.4 H (mm)
Net Weight	1200g
Temperature and Humidity	-50°C ~ 50°C, 20% ~ 90%
Other Value-Added Features	MFZ (http://surveillance.aver.com/IP-camera-glossary.aspx#a17), ePTZ (http://surveillance.aver.com/IP-camera-glossary.aspx#a5), EN50130-4
Software	
VMS	NXU Lite (http://surveillance.aver.com/model/NXU-Lite) (free bundle up to 32CH)
Supported Languages	English, Arabic, Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish

*Specifications are subject to change without prior notice