



## FB3028-RTM



**RUGGED**



The 3-megapixel FB3028-RTM Rugged Series bullet IP camera is designed to withstand harsh outdoor and tough working conditions. The IP68-rated housing with extreme temperature protection ( $\pm 60^{\circ}\text{C}$ ) makes the camera invulnerable to harsh rainstorms, freezing cold and scorching heat. The FB3028-RTM is outfitted with IR LED illuminators (30m) to achieve excellent day / night functionality, True WDR, motorized lens, Smart Stream and Region of Interest (ROI) for bandwidth / storage optimization.

### features



**waterproof & dustproof**



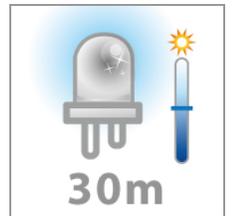
**extreme temp. protection**



**True WDR**



**motorized focus / zoom (MFZ)**



**adjustable IR LEDs**

### key features

- 3-megapixel 1/3" CMOS sensor with vari-focal lens (f=3~9mm)
- supports up to 2048 x 1536 at 20fps, 1920 x 1080 at 30fps
- H.264 / MJPEG / MPEG-4 compression (tri-codec)
- supports plug and play feature with AVer DVRs/NVRs
- robust housing with IP68 rating
- protection against extreme temperatures ( $\pm 60^{\circ}\text{C}$ )
- motorized lens allows for easy focus and zoom adjustment (MFZ) directly via the camera's GUI
- built-in mechanical ICR (IR-cut filter removable) and adjustable Osram IR LEDs (30m) for excellent day and night visibility
- supports sensor-based True Wide Dynamic Range (True WDR) to greatly increase visibility by minimizing the effects of extreme lighting contrast from backlight or glare
- supports dynamic Digital Noise Reduction (DNR) to deliver cleaner, sharper images in low-light

environments

- supports Smart Stream and Region of Interest (ROI) and Event Booster technology, allowing for smart bandwidth / storage optimization through targeted image capturing
- EN50130-4 certified, ensuring high surge and electro-thermal resistance
- local storage backup (microSDHC/SDXC card, up to 64GB) when an event is triggered or the network is downn
- event trigger actions: mail, FTP, save to memory card, relay, Samba
- NXU Lite video management software (free up to 32CH)

## specs

<b>model</b>	FB3028-RTM
<b>application environment</b>	
<b>indoor / outdoor</b>	indoor / outdoor
<b>weatherproof</b>	IP68
<b>vandal-proof</b>	-
<b>day / night control</b>	auto / manual / schedule
<b>camera image</b>	
<b>sensor</b>	1/3" CMOS
<b>min. illumination</b>	color: 0.8 lux @ F1.2 black & white: 0.1 lux @ F1.2 0 lux @ F1.2 (IR LED on)
<b>built-in IR LEDs</b>	yes - adjustable strength (Osram)
<b>IR distance</b>	30m
<b>mechanical ICR</b>	yes
<b>auto iris</b>	yes
<b>lens</b>	
<b>lens type</b>	motorized vari-focal lens
<b>F/no</b>	F1.2
<b>focal length</b>	f=3~9mm
<b>angle of view</b>	96.4° (W) ~ 31.7° (T) (horizontal) 69.6° (W) ~ 23.7° (T) (vertical)
<b>video</b>	
<b>compression</b>	H.264 / MPEG-4 / MJPEG simultaneously
<b>max. resolution (H.264 / MJPEG)</b>	2048 x 1536
<b>max. frame rate</b>	H.264 / MJPEG up to 20fps (2048 x 1536) H.264 / MJPEG / MPEG-4 up to 30fps (1920 x 1080)
<b>streaming</b>	H.264 / MPEG-4 / MJPEG
<b>multiple streams</b>	yes
<b>WDR (Wide Dynamic Range)</b>	True WDR
<b>BLC (Backlight Compensation)</b>	yes
<b>DNR (Digital Noise Reduction)</b>	2D, 2D/3D (dynamic)
<b>Smart Stream</b>	yes
<b>ROI (Region of Interest)</b>	yes

<b>IMD (Intelligent Motion Detection) zone</b>	3
<b>privacy mask</b>	3
<b>image orientation</b>	mirror, flip
<b>audio</b>	
<b>audio encoder</b>	G.711 / G.726 / AAC audio compression
<b>audio streaming</b>	2-way audio
<b>microphone</b>	external microphone input
<b>network</b>	
<b>protocol</b>	HTTP, HTTPS, TCP/IP (IPv4, IPv6), QoS, UPnP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, 3GPP (video only), Samba, SNMP(V1/V2c/V3), 802.1X
<b>Ethernet</b>	Ethernet (10/100 Base-T), RJ45 connector
<b>security</b>	password protection, IP address filtering, HTTPS encrypted data transmission
<b>user</b>	up to 10 users simultaneously
<b>alarm</b>	
<b>trigger event</b>	Event Booster, mail, FTP, save to memory card, relay, Samba
<b>interface</b>	
<b>digital input / output</b>	1 / 1
<b>built-in storage option</b>	microSDHC / microSDXC card (64GB max.)
<b>general</b>	
<b>power supply</b>	DC 12V / PoE
<b>DC</b>	power consumption 5.7W (IR LED off / heater off) 8.5W (IR LED on / heater off) 34.3W (IR LED off / heater on) 36.3W (IR LED on / heater on)
<b>PoE</b>	PoE Class 4 (IEEE802.3at) power consumption: 6.7W (IR LED off / heater off) 10W (IR LED on / heater off) 22.5W (IR LED off / heater on) 23.6W (IR LED on / heater on)
<b>dimensions</b>	111 W x 114.5 H x 265.2 D (mm)
<b>net weight</b>	2180g (w/ bracket)
<b>temperature and humidity</b>	-60°C ~ 60°C, 20% ~ 90% (DC) -40°C ~ 60°C, 20% ~ 90% (PoE)
<b>other value-added features</b>	MFZ, ePTZ, EN50130-4
<b>software</b>	

<b>VMS</b>	NXU Lite (free bundle up to 32CH)
<b>supported languages</b>	English, Arabic, Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Norwegian, Polish, Potuguese, Romanian, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish

\*specifications are subject to change without prior notice