



## FD2020



The 2-megapixel FD2020 dome IP camera, designed for indoor applications, provides excellent image quality under diverse lighting conditions. With built-in mechanical ICR and adjustable IR LED illuminators, FD2020 can capture sharp images in low light and no light environments. Moreover, the camera is outfitted with a vast array of useful features including Wide Dynamic Range (WDR), Digital Noise Reduction (DNR), Smart Stream and ROI (Region of Interest) to optimize bandwidth / storage.

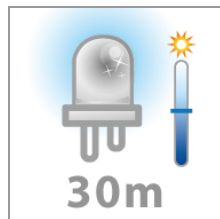
- [live view](#)



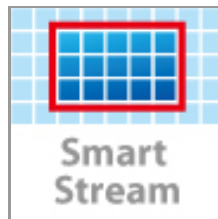
### features



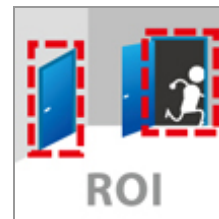
full HD  
resolution



adjustable IR  
LEDs



Smart Stream



Region of  
Interest  
(ROI)



Quick Focus

### key features

- 2-megapixel 1/2.5" CMOS sensor with vari-focal lens (f=2.8~12mm)
- supports up to 1920 x 1080 at 30fps
- H.264 / MJPEG / MPEG-4 compression (tri-codec)
- supports plug and play feature with AVer DVRs/NVRs
- supports Quick Focus for quick and precise focus adjustment, works via a BNC monitor or 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 Wide Dynamic Range (WDR) and Digital Noise Reduction (DNR) to deliver cleaner, sharper images in challenging 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 down
- event trigger actions: mail, FTP, save to memory card, relay, Samba
- NXU Lite video management software (free up to 32CH)

## specs

<b>model</b>	FD2020
<b>application environment</b>	
<b>indoor / outdoor</b>	indoor
<b>weatherproof</b>	-
<b>vandal-proof</b>	-
<b>day / night control</b>	auto / manual / schedule
<b>camera image</b>	
<b>sensor</b>	1/2.5" CMOS
<b>min. illumination</b>	color: 1 lux @ F1.4 black & white: 0.15 lux @ F1.4 0 lux @ F1.4 (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>	vari-focal lens
<b>F/no</b>	F1.4
<b>focal length</b>	f=2.8~12mm
<b>angle of view</b>	97° (W) ~ 28.7° (T) (horizontal) 61.2° (W) ~ 21.6° (T) (vertical)
<b>bracket adjustment</b>	pan: 280°, tilt: 30°~90°, rotation: 100°
<b>video</b>	
<b>compression</b>	H.264 / MPEG-4 / MJPEG simultaneously
<b>max. resolution (H.264 / MJPEG)</b>	full HD (1920 x 1080)
<b>max. frame rate</b>	H.264 / MPEG-4 up to 30fps (1920 x 1080) MJPEG up to 30fps (1280 x 1024)
<b>streaming</b>	H.264 / MPEG-4 / MJPEG
<b>multiple streams</b>	yes
<b>WDR (Wide Dynamic Range)</b>	D-WDR
<b>BLC (Backlight Compensation)</b>	yes
<b>DNR (Digital Noise Reduction)</b>	dynamic, 3D, 2D
<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 13W (IR LED on) 5W (IR LED off)
<b>PoE</b>	PoE Class 3 (IEEE802.3af) power consumption: 14W (IR LED on) 7W (IR LED off)
<b>dimensions</b>	144.6 Ø x 113.4 H (mm)
<b>net weight</b>	770g
<b>temperature and humidity</b>	0°C ~ 45°C, 20% ~ 90%
<b>other value-added features</b>	Quick Focus, ePTZ, EN50130-4
<b>software</b>	
<b>VMS</b>	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