

DATA SHEET

**FortiCamera™**

Available in:



Appliance

Cloud

**Smart Security Cameras for Your Business**

Get complete visual coverage inside and out with FortiCameras. With options for indoor and outdoor, vandal-proof, weatherproof, low-light night vision, fixed and motorized zoom lenses, and two-way audio, there's a FortiCam for every environment. All FortiCams deliver crisp, high-resolution HDTV-quality images to any FortiRecorder NVR, either continuously or triggered by a range of events, including motion and/or audio detection.

**Easy to set up, license-free**

With FortiCameras, installation is a breeze. They support PoE, eliminating the need for AC power. Just connect the camera to the FortiRecorder network via a PoE switch and you're up and running. No software installation, no patches and, unlike using third-party cameras, no license fees.

**Building blocks for scalable IP video solutions**

FortiCameras are completely integrated with FortiRecorder and the powerful FortiCentral and mobile clients. All components complement each other to form a scalable video surveillance installation from small retail to large campus sites.

**AI-enabled video management software (VMS)**

FortiCentral manages FortiCameras to be your eyes into Fortinet video analytics solutions including facial recognition and object detection. Fortinet's free and comprehensive VMS gives you centralized control and optimized visibility all in one single place.

**Highlights**

- Scheduled and manual recording
- Motion detection and continuous recordings
- Snapshot notifications and alerts
- SD card edge recording
- Camera live view and video playback
- Event monitor with timeline
- RADIUS, LDAP, SNMP, and remote data storage support for flexible network integration
- Centralized management, maintenance, and monitoring
- Web-based interface
- Powerful Windows client FortiCentral
- Mobile access on iOS and Android

## HIGHLIGHTS

### FortiCamera FB50

For those who prefer simple camera mounting and the clearest image quality, the FortiCamera FB50 bullet-style security camera is ideal for you. Its modern design with hidden LEDs, a sunshield, and SD card support up to 128 GB, and is easily installed in a 90° position for corridors. Optical performance of the 4x motorized zoom and autofocus lens captures people and objects without loss of details. This camera delivers excellent performance with 5 MP low light sensor and support for true shutter WDR. The offering is rounded off with ratings for IP66 and IK10 as well as a junction box accessory for EMT installations.



### FortiCamera FD50

The FortiCamera FD50 is a high-performance fixed dome camera that combines style and technology. Detailed 5 MP images are generated by a 4x motorized zoom autofocus lens, and incorporated with latest H.265 compression technology. Strong low-light sensitivity combined with true shutter WDR make this camera work in almost any light situation. Integrated with 30 m IR LEDs, the camera captures activities even in completely dark conditions. It easily handles rugged environments with IP66 weather protection, IK10 vandal rating, and a working temperature range of -30°-60°C. The flexibility of 3-axis supports direct wall mounting and accessories which help in EMT and dropped installations. The camera has a built-in microphone and supports SD cards up to 128 GB.



### FortiCamera FE120B

This 12 mega-pixel fisheye camera delivers superior security and video performance where excellent overview is demanded. When ceiling mounted, the FortiCamera FE120B camera provides a 360-degree field of view, giving you wide coverage with no blind spot. Its compact design is packed with a rich feature set, including IP66 weather rating, built-in audio mic and IR illuminators. Low light and complicated light situations against windows are handled with the high sensitivity CMOS sensor and Shutter WDR (>120dB). This powerhouse delivers worry free installation with dynamic panoramic coverage to ensure the safety of your environment.



## HIGHLIGHTS

### FortiCamera CD51 and CD55

FortiCamera CD5x series, available for cloud and on-prem solutions, offers crisp image quality and advanced features in a compact style. These premium dome cameras are designed to simplify deployment and management. Its Bluetooth connectivity allows easy network configuration and adjusting the camera view directly from your smartphone. Built-in Wi-Fi helps with those hard-to-reach locations for broader security coverage within your premises.

These security cameras deliver high resolution 5 MP video streamed in efficient H.265 encoding, dimmable 20m+ IR illumination, powerful low light performance, and a built-in microphone. Robust IP67 weather and IK10 vandal rating combined with built-in heater for extended temperature range make these cameras perfectly suited for challenging conditions.

FortiCamera CD51 is a fixed lens model with convenient 95° view angle, while FortiCamera CD55 offers a motorized 4x zoom lens with autofocus to capture every detail in high quality over a wider distance range. A wide range of accessories are available to give you hassle free mounting for indoor and outdoor use.



## SPECIFICATIONS



	FORTICAMERA FB50	FORTICAMERA FE120B	FORTICAMERA FD50
<b>Description</b>	Professional Day/Night IP Video Security Camera	Fisheye Day/Night IP Video Security Camera	Professional Day/Night IP Video Security Camera
<b>Format *</b>	Full bullet, indoor/outdoor, vandal	Fisheye, indoor/outdoor, vandal	Fixed dome, indoor/outdoor, vandal
<b>Sensor Type</b>	5 mega-pixel, 1/2.7" low light CMOS	12 mega-pixel, 1/2.3" progressive CMOS	5 mega-pixel, 1/2.7" low light CMOS
<b>Iris</b>	F1.4 (W), F2.8 (T), fixed	F2.0, fixed	F1.4 (W), F2.8 (T), fixed
<b>Optical Zoom</b>	4x	—	4x
<b>Digital Zoom</b>	—	—	—
<b>Focal Length</b>	2.8–12 mm (motorized, autofocus)	1.22 mm	2.8–12 mm (motorized, autofocus)
<b>View Angle</b>	Horizontal: 30°~90° Vertical: 23°~65° Diagonal: 38°~115°	Ceiling mount: 360° Wall mount: 180° Table mount: 360°	Horizontal: 30°~90° Vertical: 23°~65° Diagonal: 38°~115°
<b>Minimum Illumination</b>	0.035 Lux @ F1.4 (color) 0.005 Lux @ F1.4 (B/W)	0.1 Lux @ F1.4 (color) 0.005 Lux @ F2.0 (B/W)	0.035 Lux @ F1.4 (color) 0.005 Lux @ F1.4 (B/W)
<b>Wide Dynamic Range</b>	Shutter WDR (>120dB)	Shutter WDR (>120dB)	Shutter WDR (>120dB)
<b>Streaming Protocols</b>	RTSP	RTSP	RTSP
<b>Video Compression</b>	MJPEG/H.264/H.265 (HEVC)	MJPEG/H.264/H.265 (HEVC)	MJPEG/H.264/H.265 (HEVC)
<b>Image Resolution</b>	5MP at 20 frames per second, 4:3 (WDR off) 4MP at 30 frames per second +D1 at 30 frames per second	30 frames per second @ 2944×2944 (WDR off) 20 frames per second @ 2944×2944 (WDR on) 1920×1920 1024×1024 local dewarp 30 frames per second @ 2048×768 1280×480 (wall) 30 frames per second @ 2944×736 1920×480 (ceiling)	5MP at 20 frames per second, 4:3 (WDR off) 4MP at 30 frames per second +D1 at 30 frames per second
<b>Audio</b>	Two-way, line in/out	Built-in mic	Two-way, built-in mic, line out
<b>Interface</b>	RJ45 Ethernet 10/100 Mbps	RJ45 Ethernet 10/100/1000 Mbps	RJ45 Ethernet 10/100 Mbps
<b>Mounting</b>	Wall, pole, ceiling, 3/4" conduit, junction box, bracket included	Wall, ceiling, table. Pole, drop tube, junction box (see "Optional Accessories")	Wall, pole, ceiling, 3-axis, 3/4" conduit, junction box
<b>Operation</b>			
<b>Pan / Tilt</b>	—	—	—
<b>Presets / Accuracy / Speed</b>	—	—	—
<b>IRLED / IRC</b>	30m / yes	20m / yes	30m / yes
<b>EIS / DNR</b>	— / 3DNR	— / 3DNR	— / 3DNR
<b>Dimensions</b>			
<b>Height x Width x Length (inches)</b>	8.5 × 3.3 × 3.3	2.7 × 5.9 × 5.9	4.08 × 5.3 × 5.3
<b>Height x Width x Length (mm)</b>	215 × 85 × 85	68 × 150 × 150	104 × 133 × 133
<b>Weight</b>	1.63 lbs (738 g)	1.55 lbs (701g)	1.80 lbs (819 g)
<b>Environment</b>			
<b>Power Source</b>	PoE (802.3af) class 0	PoE (802.3at) class 4	PoE (802.3af) class 0
<b>Power Consumption (Average)</b>	9W; 12.95W max (with IR on)	9.55 W; 22.5 W max (with IR on)	9W; 12.95W max (with IR on)
<b>Operating Temperature</b>	Starting Temperature: 14°–144°F (-10°–60°C) Working Temperature: -22°–144°F (-30°–60°C)	Starting Temperature: -20°C–50°C (-4°F–122°F) Working Temperature: -40°C–55°C (-40°F–131°F) (IR off ) -40°C–50°C (-40°F–122°F) (IR on)	Starting Temperature: 14°–144°F (-10°–60°C) Working Temperature: -22°–144°F (-30°–60°C)
<b>Humidity</b>	<90% non-condensing	<90% non-condensing	<90% non-condensing
<b>Compliance</b>			
<b>Regulatory and Standards</b>	FCC Class A / ICES / CE / IP66 / IK10 / ONVIF 18.12 Profile S and G	FCC Class A / CE / IP66 / IK10 / ONVIF Profile G, S, T	FCC Class A / ICES / CE / IP66 / IK10 / ONVIF 18.12 profile S and G

\* For all outdoor installations, Fortinet suggests to avoid direct sunlight for better image quality and longer service life.

## SPECIFICATIONS



	FORTICAMERA CD51	FORTICAMERA CD55
<b>Description</b>	Premium Day/Night IP Video Security Camera	Premium Day/Night IP Video Security Camera
<b>Format *</b>	Fixed dome, indoor/outdoor, vandal	Fixed dome, indoor/outdoor, vandal
<b>Sensor Type</b>	5 mega-pixel, 1/2.8" low light CMOS	5 mega-pixel, 1/2.8" low light CMOS
<b>Iris</b>	F2.0/fixed	F1.6 (W), F3.3 (T), DC-Iris
<b>Optical Zoom</b>	—	4x
<b>Digital Zoom</b>	—	—
<b>Focal Length</b>	2.8 mm	2.7–13 mm (motorized, autofocus)
<b>View Angle</b>	Horizontal: 95° Vertical: 72° Diagonal: 118°	Horizontal: 29°~99° Vertical: 22°~71° Diagonal: 35°~132°
<b>Minimum Illumination</b>	0.05 Lux @ F2 (color) 0.01 Lux @ F2 (B/W)	0.03 Lux @ F1.6 (color) 0.01 Lux @ F1.6 (B/W)
<b>Wide Dynamic Range</b>	HDR (>80dB)	HDR (>80dB)
<b>Streaming Protocols</b>	RTSP	RTSP
<b>Video Compression</b>	H.264/H.265 (HEVC)	H.264/H.265 (HEVC)
<b>Image Resolution</b>	5MP at 30 frames per second 4MP, 3MP, 1080p, 720p 1024×768, 640×480, 320×240	5MP at 30 frames per second 4MP, 3MP, 1080p, 720p 1024×768, 640×480, 320×240
<b>Audio</b>	One-way, built-in mic	One-way, built-in mic
<b>Interface</b>	RJ45 Ethernet 10/100 Mbps	RJ45 Ethernet 10/100 Mbps
<b>Mounting</b>	Wall, ceiling, tile, 3-axis, 3/4" conduit, junction box (see "Optional Accessories")	Wall, ceiling, tile, 3-axis, 3/4" conduit, junction box (see "Optional Accessories")
<b>Operation</b>		
<b>Pan / Tilt</b>	—	—
<b>Presets / Accuracy / Speed</b>	—	—
<b>IRLED / IRC</b>	20m+ (dimnable) / yes	20m+ (dimnable) / yes
<b>EIS / DNR</b>	— / 3DNR	— / 3DNR
<b>Dimensions</b>		
<b>Height x Width x Length (inches)</b>	3.8 × 4.7 × 4.7	3.8 × 4.7 × 4.7
<b>Height x Width x Length (mm)</b>	97 × 120 × 120	97 × 120 × 120
<b>Weight</b>	1.09 lbs (498 g)	1.16 lbs (527 g)
<b>Environment</b>		
<b>Power Source</b>	PoE (802.3af) class 3	PoE (802.3af) class 3
<b>Power Consumption (Average)</b>	12.95W max	12.95W max
<b>Operating Temperature</b>	-40°–122°F (-40°–50°C)	-40°–122°F (-40°–50°C)
<b>Humidity</b>	5%–90% non-condensing	5%–90% non-condensing
<b>Compliance</b>		
<b>Regulatory and Standards</b>	FCC Class B / ICES / CE / CB / IP67 / IK10	FCC Class B / ICES / CE / CB / IP67 / IK10
<b>Wifi/Bluetooth</b>		
<b>Number of Antennas</b>	1 internal	1 internal
<b>Peak Antenna Gain</b>	3.4 dBi for 2.4 GHz, 4.1 dBi for 5 GHz	3.4 dBi for 2.4 GHz, 4.1 dBi for 5 GHz
<b>Frequency of Radio 1</b>	2.4 GHz b/g/n/ac or 5 GHz a/n/ac	2.4 GHz b/g/n/ac or 5 GHz a/n/ac

\* For all outdoor installations, Fortinet suggests to avoid direct sunlight for better image quality and longer service life.



## ORDER INFORMATION

Product	SKU	Description
FortiCam FB50 Bullet Camera	FCM-FB50	5 mega-pixel bullet IP camera, 30m IR LED, 2.8-12mm motorized lens, 1× 10/100 port with 802.3af PoE, audio, shutter WDR, vandal proof, indoor/outdoor use, rated IP66
	FC-10-FCFB5-247-02-DD	FortiCare Premium Support for FortiCam FB50 bullet camera
FortiCam FE120B Fisheye Camera	FCM-FE120B	12 mega-pixel panoramic IP camera, 20m IR LED, 1.22mm fixed lens, 1× 10/100/1000 port with 802.3at PoE, audio, vandal proof, indoor/outdoor use, rated IP66
	FC-10-FE20B-247-02-DD	FortiCare Premium Support for FortiCam FE120B fisheye camera
FortiCam FD50 Camera	FCM-FD50	5 mega-pixel fixed dome IP camera, 30m IR LED, 2.8-12mm motorized lens, 1× 10/100 port with 802.3af PoE, audio, shutter WDR, vandal proof, indoor/outdoor use, rated IP66
	FC-10-FCFDS-247-02-DD	FortiCare Premium Support for FortiCam FD50 camera
FortiCam CD51 Camera	FCM-CD51	5 mega-pixel fixed dome IP camera, 20m IR LED, 2.8mm fixed lens, 1× 10/100 port with 802.3af PoE, audio, HDR, Wifi, BLE, vandal proof, indoor/outdoor use, rated IP67
	FC-10-FCD51-247-02-DD	FortiCare Premium Support for FortiCam CD51 camera
FortiCam CD51 Cloud Camera	FCM-CD51-C	Cloud-enabled, 5 mega-pixel fixed dome IP camera, 20m IR LED, 2.8mm fixed lens, 1× 10/100 port with 802.3af PoE, audio, HDR, Wifi, BLE, vandal proof, indoor/outdoor use, rated IP67, 512GB SD card.
	FC-10-FCD5A-247-02-DD	FortiCare Premium Support for FortiCam CD51 cloud camera
FortiCam CD55 Camera	FCM-CD55	5 mega-pixel fixed dome IP camera, 20m IR LED, 2.7-13mm motorized lens, 1× 10/100 port with 802.3af PoE, audio, HDR, Wifi, BLE, vandal proof, indoor/outdoor use, rated IP67
	FC-10-FCD55-247-02-DD	FortiCare Premium Support for FortiCam CD55 camera
FortiCam CD55 Cloud Camera	FCM-CD55-C	Cloud-enabled, 5 mega-pixel fixed dome IP camera, 20m IR LED, 2.7-13mm motorized lens, 1× 10/100 port with 802.3af PoE, audio, HDR, Wifi, BLE, vandal proof, indoor/outdoor use, rated IP67, 512GB SD card.
	FC-10-FCD5E-247-02-DD	FortiCare Premium Support for FortiCam CD55 cloud camera
<b>Optional Accessories</b>		
FortiCam FE120B Mount	FCM-FE120B-PCP-4	Pendant cap mount kit for FortiCam FE120B (set of 4)
FortiCam FD50 Mount	FCM-FD5-PCP-8	Pendant cap kit for FortiCam FD50 (for use with FCM-FD5-PDT) (set of 8)
FortiCam CD51/CD55 Mount	FCM-CD5-PCP-4	Pendant cap mount kit for FortiCam CD51 or FortiCam CD55 (set of 4)
	FCM-CD5-WMT-8	Wall mount kit for FortiCam CD51 or FortiCam CD55 (set of 8)
FortiCam FB50 Mount	FCM-FB5-JBX-4	Junction box kit for FortiCam FB50 or FortiCam FD50 (set of 4)
FortiCam Family Mount	FCM-FD5-PDT-8	Pendant arm kit (set of 8)
	FCM-MOUNT-STH-2	Ceiling mount kit (set of 2)
	FCM-MOUNT-POL-2	Pole mount kit (set of 2)
	FCM-MOUNT-ST20-4	Straight tube mount kit 20cm (set of 4)
<b>Free Applications*</b>		
FortiCentral	DOWNLOAD	Video Management System for Windows.
FortiRecorder Mobile iOS App.	DOWNLOAD	Monitor FortiRecorder from your iPhone or iPad.
FortiRecorder Mobile Android App.	DOWNLOAD	Monitor FortiRecorder from your Android device.

\*Free Downloads available at <https://www.fortinet.com/support/product-downloads>

## FortiCare Support Service

FortiCare Support Services is per-device support services, and it provides customers access to over 1400 experts to ensure efficient and effective operations and maintenance of their Fortinet capabilities. Global technical support is offered 24×7 with flexible add-ons, including enhanced service level agreements (SLAs) and premium hardware replacement through 200+ in-country depots.



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