

# FortiCamera™ Series

Indoor/Outdoor Network Cameras Built for High-performance Video Surveillance



## 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
- Mobile access on iOS and Android

## Smart Security Cameras for Any 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 FortiCamera for every environment.

FortiCamera security cameras are easy to set up and license-free. 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.

FortiCamera is completely integrated with FortiRecorder video recorders and the AI-powered FortiCentral video management software (VMS). This integrated video surveillance solution gives you centralized control and optimized visibility all in one single place.

## Use Cases

### Available in



Appliance



Cloud

### Preventing Thefts, Burglaries, and Vandalism

Fortinet empowers organizations to fight and prevent crimes with an integrated video surveillance system. The reliable FortiCamera gives organizations a full security coverage, day and night, for every entry point within your properties: lobbies, shipping and receiving areas, emergency exits, parking lots, garages, and more. Organizations have a centralized control and visibility from a single management platform, onsite or remotely, 24/7.

### Delivering a Safe and Secure Environment

Built to perform in all weather and lighting conditions, FortiCamera delivers HD image quality with smart motion detection and low-light sensitivity technologies that capture all the activity details within your offices and the surrounding areas. Combined with FortiRecorder AI-enabled systems, Fortinet video surveillance empowers organizations to build safer environments by automatically detecting suspicious objects, vehicles, and faces, then triggering events and notifications to prevent potential incidents.

### Boosting Operational Efficiency

Smart cameras and video analysis can also collect and analyze both working habits and environment conditions to improve your business efficiency. Factories and manufacturing, for example, can benefit from physical security systems to reduce waste, control hazardous materials, and ensure regulatory compliance. FortiCamera along with the video surveillance solution gives organizations a simplified management platform with all-inclusive security and AI-analysis capabilities to optimize business protection and operational efficiency.

### Sustaining Capacity and Density Control

Restaurants, retail stores, and government buildings are often required to limit the number of people in specific areas. The Fortinet physical security solution goes beyond a standard video surveillance system. FortiCamera, combined with FortiRecorder and AI-powered FortiCentral, accurately detects people entering the area and provides capacity information to help businesses manage the number of people on their premises. Additional heatmap analytics give you a visualization of the traffic frequency of an area to help you improve your business.

## Camera Models



### 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 Building Blocks for Scalable IP Video Solutions.



### 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.

## Camera Models with Optional Cloud Version



### 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.



### FortiCamera MC51

This mini cube security camera is designed for sophisticated indoor environments like offices, boutique retail, hospitality, etc. The modern design is easy for wall and ceiling mounting or placed on a shelf. This 5 mega-pixel security camera is packed with advanced features to protect your businesses, such as IR LED, low-light sensor, and two-way built-in microphone and speaker. Its Bluetooth support allows easy network configuration. Built-in Wi-Fi helps with those hard-to-reach locations for broader security coverage within your premises.

## 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°F to 144°F (-10°C to 60°C) Working Temperature: -22°F to 144°F (-30°C to 60°C)	Starting Temperature: -4°F to 122°F (-20°C to 50°C) Working Temperature: -40°F to 131°F (-40°C to 55°C) (IR off ) -40°F to 122°F (-40°C to 50°C) (IR on)	Starting Temperature: 14°F to 144°F (-10°C to 60°C) Working Temperature: -22°F to 144°F (-30°C to 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	FORTICAMERA MC51
<b>Description</b>	Premium Day/Night IP Video Security Camera	Premium Day/Night IP Video Security Camera	Day/Night IP Video Security Camera
<b>Format *</b>	Fixed dome, indoor/outdoor, vandal	Fixed dome, indoor/outdoor, vandal	Mini Cube, Indoor
<b>Sensor Type</b>	5 mega-pixel, 1/2.8" low light CMOS	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	F2.0/fixed
<b>Optical Zoom</b>	—	4x	—
<b>Digital Zoom</b>	—	—	—
<b>Focal Length</b>	2.8 mm	2.7–13 mm (motorized, autofocus)	3.16 mm
<b>View Angle</b>	Horizontal: 95° Vertical: 72° Diagonal: 118°	Horizontal: 29°~99° Vertical: 22°~71° Diagonal: 35°~132°	Horizontal: 102° Vertical: 72° Diagonal: 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)	0.05 Lux @ F2 (color) 0.01 Lux @ F2 (B/W)
<b>Wide Dynamic Range</b>	HDR (>80dB)	HDR (>80dB)	HDR (>80dB)
<b>Streaming Protocols</b>	RTSP	RTSP	RTSP
<b>Video Compression</b>	H.264/H.265 (HEVC)	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	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	Two-way, built-in mic and speaker
<b>Interface</b>	RJ45 Ethernet 10/100 Mbps	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")	Wall, ceiling, table
<b>Operation</b>			
<b>Pan / Tilt</b>	—	—	—
<b>Presets / Accuracy / Speed</b>	—	—	—
<b>IRLED / IRC</b>	20m+ (dimnable) / yes	20m+ (dimnable) / yes	8m+ (dimnable) / yes
<b>EIS / DNR</b>	— / 3DNR	— / 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	5.5 × 4.2 × 4.2
<b>Height x Width x Length (mm)</b>	97 × 120 × 120	97 × 120 × 120	138 × 91 × 91
<b>Weight</b>	1.09 lbs (498 g)	1.16 lbs (527 g)	0.53 (240g)
<b>Environment</b>			
<b>Power Source</b>	PoE (802.3af) class 3	PoE (802.3af) class 3	PoE (802.3af) class 3 / DC12V
<b>Power Consumption (Average)</b>	12.95W max	12.95W max	< 10W
<b>Operating Temperature</b>	-40°F to 122°F (-40°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	14°F to 104°F (-10°C to 40°C)
<b>Humidity</b>	5% to 90% non-condensing	5% to 90% non-condensing	5% to 90% non-condensing
<b>Compliance</b>			
<b>Regulatory and Standards</b>	FCC Class B / ICES / CE / CB / IP67 / IK10 ONVIF-profile S,G,T	FCC Class B / ICES / CE / CB / IP67 / IK10 ONVIF-profile S,G,T	FCC Class B / ICES / CE / CB / ONVIF-profile S,G,T
<b>Wifi/Bluetooth</b>			
<b>Number of Antennas</b>	1 internal	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	2.18 dBi for 2.4 GHz, 4.5 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	2.4 GHz b/g/n/ac or 5 GHz a/n/ac

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## Ordering Information

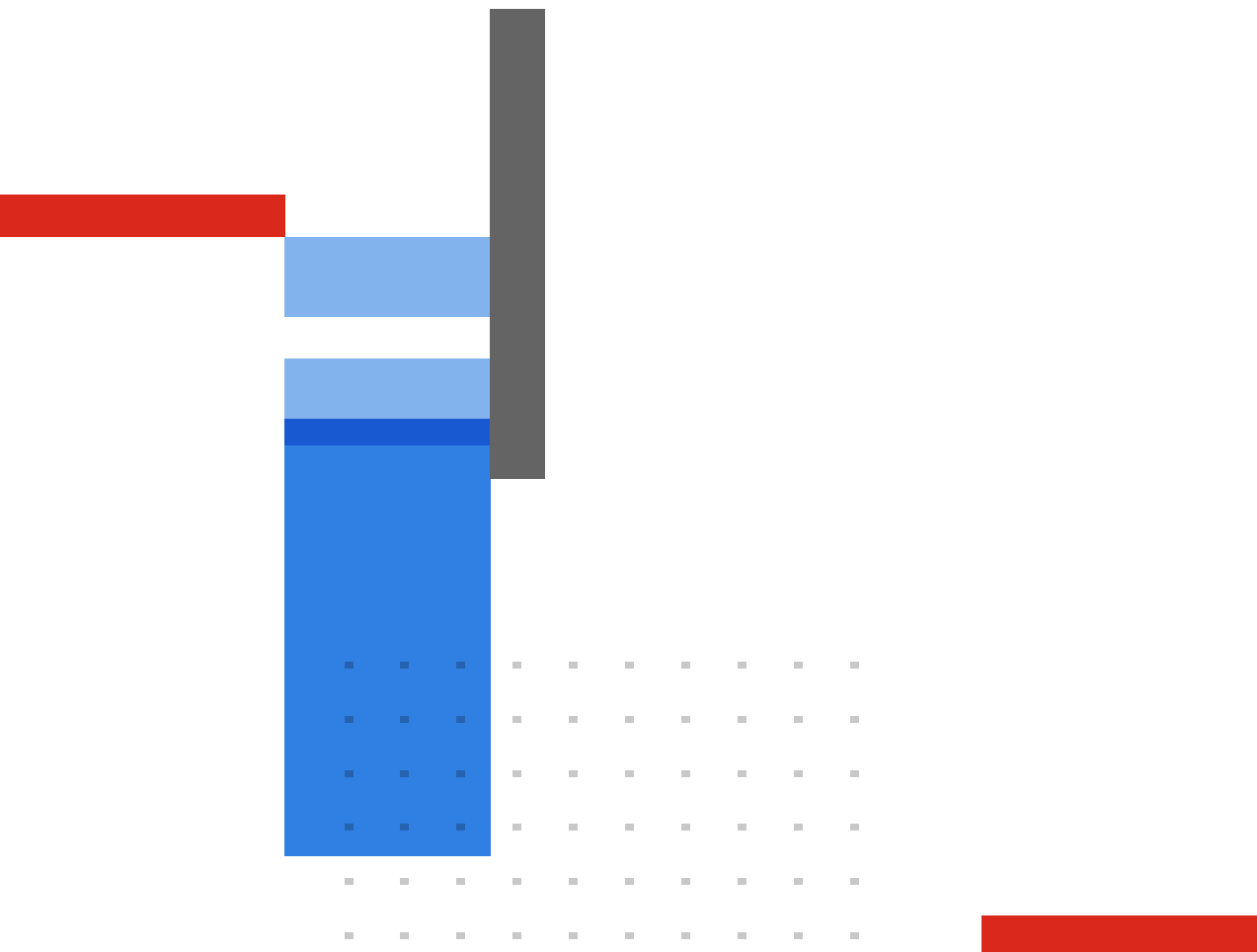
Product	SKU	Description
FortiCam FB50 Bullet Camera	FCM-FB50	5 mega-pixel bullet IP camera, 30m IR LED, 2.8-12mm motorized lens, 1× 10/100 port with 802.3af PoE, audio, shutter WDR, vandal proof, indoor/outdoor use, rated IP66
	FC-10-FCFB5-247-02-DD	FortiCare Premium Support for FortiCam FB50 bullet 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
FortiCam MC51 Camera	FCM-MC51	5 Megapixel Mini Cube IP Camera, 8m IR LED, 3.16mm fixed lens, 1× 10/100 port with 802.3af PoE, Audio, HDR, Wifi, BLE, Indoor Use
	FC-10-CM51A-247-02-DD	FortiCare Premium Support for FortiCam MC51 camera
FortiCam MC51 Cloud Camera	FCM-MC51-C	Cloud-enabled, 5 Megapixel Mini Cube IP Camera, 8m IR LED, 3.16mm fixed lens, 1× 10/100 port with 802.3af PoE, Audio, HDR, Wifi, BLE, Indoor Use, 512GB SD card.
	FC-10-CTM5A-247-02-DD	FortiCare Premium Support for FortiCam MC51 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)
FortiCam MC51 Power Adapter	SP-FCM12V1A-PA-1-US	12W/12VDC/1A AC/DC power adaptor with standard barrel 2.1mm pin DC connector and US plug for FCM-MC51 for North America and Japan
	SP-FCM12V1A-PA-1-EU	12W/12VDC/1A AC/DC power adaptor with standard barrel 2.1mm pin DC connector and EU plug for FCM-MC51 for Europe
<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 24x7 with flexible add-ons, including enhanced service level agreements (SLAs) and premium hardware replacement through 200+ in-country depots.



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