**F⊟RTINET**

# 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 installationsBuilding 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.

### 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.

## Camera Models

### 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 |
|---|---|---|---|
| Description | Professional Day/Night IP Video Security Camera | Fisheye Day/Night IP Video Security Camera | Professional Day/Night IP Video Security Camera |
| Format * | Full bullet, indoor/outdoor, vandal | Fisheye, indoor/outdoor, vandal | Fixed dome, indoor/outdoor, vandal |
| Sensor Type | 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 |
| Iris | F1.4 (W), F2.8 (T), fixed | F2.0, fixed | F1.4 (W), F2.8 (T), fixed |
| Optical Zoom | 4x | — | 4x |
| Digital Zoom | — | — | — |
| Focal Length | 2.8–12 mm (motorized, autofocus) | 1.22 mm | 2.8–12 mm (motorized, autofocus) |
| View Angle | Horizontal: 30°~90°<br>Vertical: 23°~65°<br>Diagonal: 38°~115° | Ceiling mount: 360°<br>Wall mount: 180°<br>Table mount: 360° | Horizontal: 30°~90°<br>Vertical: 23°~65°<br>Diagonal: 38°~115° |
| Minimum Illumination | 0.035 Lux @ F1.4 (color)<br>0.005 Lux @ F1.4 (B/W) | 0.1 Lux @ F1.4 (color)<br>0.005 Lux @ F2.0 (B/W) | 0.035 Lux @ F1.4 (color)<br>0.005 Lux @ F1.4 (B/W) |
| Wide Dynamic Range | Shutter WDR (>120dB) | Shutter WDR (>120dB) | Shutter WDR (>120dB) |
| Streaming Protocols | RTSP | RTSP | RTSP |
| Video Compression | MJPEG/H.264/H.265 (HEVC) | MJPEG/H.264/H.265 (HEVC) | MJPEG/H.264/H.265 (HEVC) |
| Image Resolution | 5MP at 20 frames per second, 4:3 (WDR off)<br>4MP at 30 frames per second<br>+D1 at 30 frames per second | 30 frames per second @ 2944×2944 (WDR off)<br>20 frames per second @ 2944×2944 (WDR on)<br>1920×1920 1024×1024<br>local dewarp<br>30 frames per second @ 2048×768 1280×480 (wall)<br>30 frames per second @ 2944×736 1920×480 (celling) | 5MP at 20 frames per second, 4:3 (WDR off)<br>4MP at 30 frames per second<br>+D1 at 30 frames per second |
| Audio | Two-way, line in/out | Built-in mic | Two-way, built-in mic, line out |
| Interface | RJ45 Ethernet 10/100 Mbps | RJ45 Ethernet 10/100/1000 Mbps | RJ45 Ethernet 10/100 Mbps |
| Mounting | 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 |
| **Operation** | | | |
| Pan / Tilt | — | — | — |
| Presets / Accuracy / Speed | — | — | — |
| IRLED / IRC | 30m / yes | 20m / yes | 30m / yes |
| EIS / DNR | — / 3DNR | — / 3DNR | — / 3DNR |
| **Dimensions** | | | |
| Height x Width x Length (inches) | 8.5 × 3.3 × 3.3 | 2.7 × 5.9 × 5.9 | 4.08 × 5.3 × 5.3 |
| Height x Width x Length (mm) | 215 × 85 × 85 | 68 × 150 × 150 | 104 × 133 × 133 |
| Weight | 1.63 lbs (738 g) | 1.55 lbs (701g) | 1.80 lbs (819 g) |
| **Environment** | | | |
| Power Source | PoE (802.3af) class 0 | PoE (802.3at) class 4 | PoE (802.3af) class 0 |
| Power Consumption (Average) | 9W;<br>12.95W max (with IR on) | 9.55 W;<br>22.5 W max (with IR on) | 9W;<br>12.95W max (with IR on) |
| Operating Temperature | Starting Temperature:<br>14°~144°F (-10°~60°C)<br>Working Temperature:<br>-22°~144°F (-30°~60°C) | Starting Temperature:<br>-20°C~50°C (-4°F~122°F)<br>Working Temperature:<br>-40°C~55°C (-40°F~131°F) (IR off )<br>-40°C~50°C (-40°F~122°F) (IR on) | Starting Temperature:<br>14°~144°F (-10°~60°C)<br>Working Temperature:<br>-22°~144°F (-30°~60°C) |
| Humidity | <90% non-condensing | <90% non-condensing | <90% non-condensing |
| **Compliance** | | | |
| Regulatory and Standards | 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 |
|---|---|---|---|
| Description | Premium Day/Night IP Video Security Camera | Premium Day/Night IP Video Security Camera | Day/Night IP Video Security Camera |
| Format * | Fixed dome, indoor/outdoor, vandal | Fixed dome, indoor/outdoor, vandal | Mini Cube, Indoor |
| Sensor Type | 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 |
| Iris | F2.0/fixed | F1.6 (W), F3.3 (T), DC-Iris | F2.0/fixed |
| Optical Zoom | — | 4x | — |
| Digital Zoom | — | — | — |
| Focal Length | 2.8 mm | 2.7–13 mm (motorized, autofocus) | 3.16 mm |
| View Angle | Horizontal: 95°<br>Vertical: 72°<br>Diagonal: 118° | Horizontal: 29°~99°<br>Vertical: 22°~71°<br>Diagonal: 35°~132° | Horizontal: 102°<br>Vertical: 72°<br>Diagonal: 132° |
| Minimum Illumination | 0.05 Lux @ F2 (color)<br>0.01 Lux @ F2 (B/W) | 0.03 Lux @ F1.6 (color)<br>0.01 Lux @ F1.6 (B/W) | 0.05 Lux @ F2 (color)<br>0.01 Lux @ F2 (B/W) |
| Wide Dynamic Range | HDR (>80dB) | HDR (>80dB) | HDR (>80dB) |
| Streaming Protocols | RTSP | RTSP | RTSP |
| Video Compression | H.264/H.265 (HEVC) | H.264/H.265 (HEVC) | H.264/H.265 (HEVC) |
| Image Resolution | 5MP at 30 frames per second<br>4MP, 3MP, 1080p, 720p<br>1024×768, 640×480, 320×240 | 5MP at 30 frames per second<br>4MP, 3MP, 1080p, 720p<br>1024×768, 640×480, 320×240 | 5MP at 30 frames per second<br>4MP, 3MP, 1080p, 720p<br>1024×768, 640×480, 320×240 |
| Audio | One-way, built-in mic | One-way, built-in mic | Two-way, built-in mic and speaker |
| Interface | RJ45 Ethernet 10/100 Mbps | RJ45 Ethernet 10/100 Mbps | RJ45 Ethernet 10/100 Mbps |
| Mounting | Wall, ceiling, tile, 3-axis, 3/4" conduit, junction box<br>(see "Optional Accessories") | Wall, ceiling, tile, 3-axis, 3/4" conduit, junction box<br>(see "Optional Accessories") | Wall, ceiling, table |
| **Operation** | | | |
| Pan / Tilt | — | — | — |
| Presets / Accuracy / Speed | — | — | — |
| IRLED / IRC | 20m+ (dimmable) / yes | 20m+ (dimmable) / yes | 8m+ (dimmable) / yes |
| EIS / DNR | — / 3DNR | — / 3DNR | — / 3DNR |
| **Dimensions** | | | |
| Height x Width x Length (inches) | 3.8 × 4.7 × 4.7 | 3.8 × 4.7 × 4.7 | 5.5 × 4.2 × 4.2 |
| Height x Width x Length (mm) | 97 × 120 × 120 | 97 × 120 × 120 | 138 × 91 × 91 |
| Weight | 1.09 lbs (498 g) | 1.16 lbs (527 g) | 0.53 (240g) |
| **Environment** | | | |
| Power Source | PoE (802.3af) class 3 | PoE (802.3af) class 3 | PoE (802.3af) class 3 / DC12V |
| Power Consumption (Average) | 12.95W max | 12.95W max | < 10W |
| Operating Temperature | -40°–122°F (-40°–50°C) | -40°–122°F (-40°–50°C) | 14°–104°F (-10°–40°C) |
| Humidity | 5%–90% non-condensing | 5%–90% non-condensing | 5%–90% non-condensing |
| **Compliance** | | | |
| Regulatory and Standards | FCC Class B / ICES / CE / CB / IP67 / IK10 | FCC Class B / ICES / CE / CB / IP67 / IK10 | FCC Class B / ICES / CE / CB / ONVIF-profile S,G,T |
| **Wifi/Bluetooth** | | | |
| Number of Antennas | 1 internal | 1 internal | 1 internal |
| Peak Antenna Gain | 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 |
| Frequency of Radio 1 | 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 |

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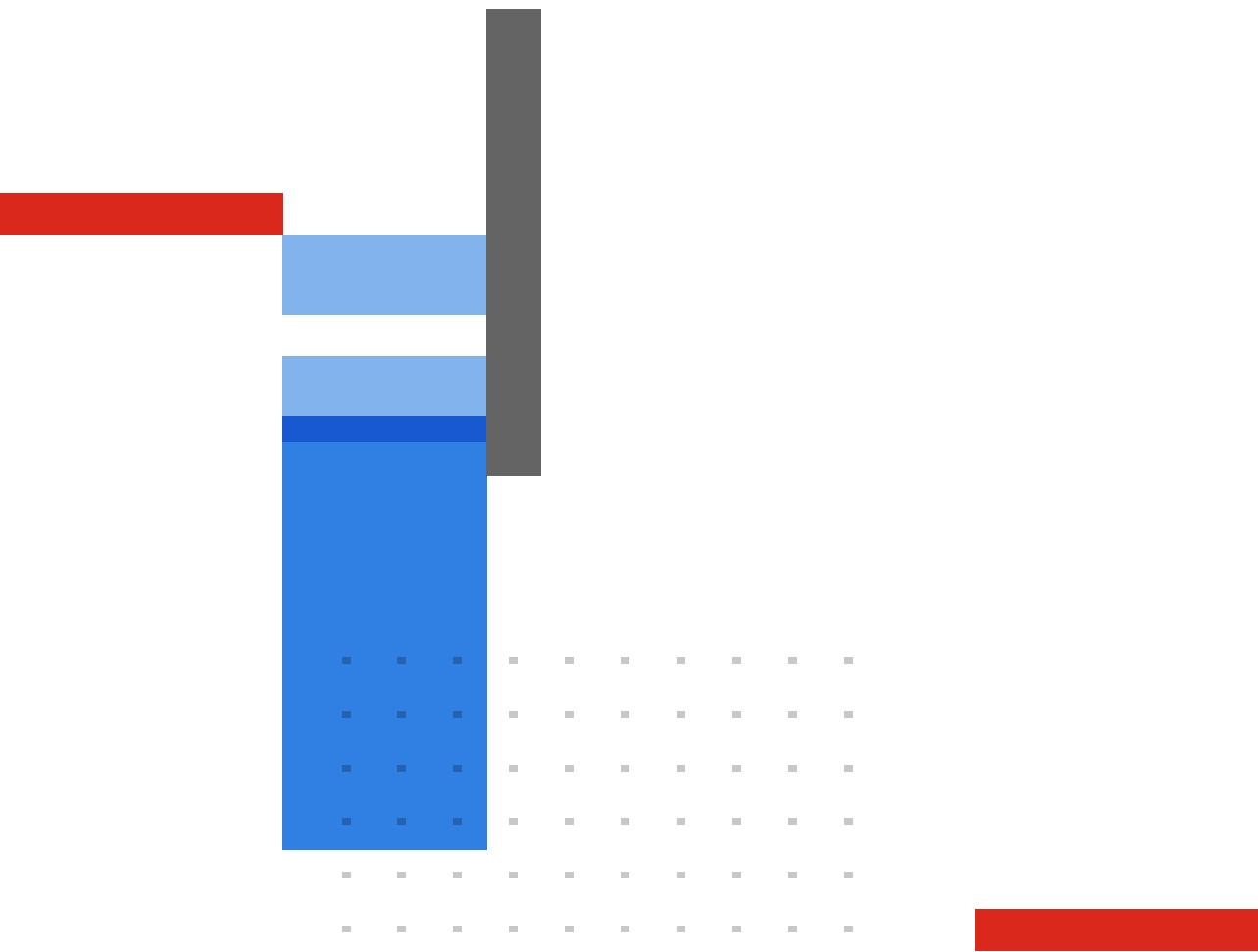
# Ordering Information

| 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 |
| **Optional Accessories** | | |
| 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 |
| **Free Applications*** | | |
| 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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