

ORDERING GUIDE

FortiCamera and FortiRecorder

Available in



Appliance



Virtual



Cloud

RECORDER	HARDWARE 400F	HARDWARE 100G	VIRTUAL
Camera Capacity	Up to 64	Up to 16	Up to 1 024
Format	1U appliance	1U desktop	VMWare, KVM, Hyper-V, Citrix
10/100/1000 Interfaces (Copper, RJ-45)	3	4	4
HD Capacity	1x4TB (4x8TB max)	1 x 2TB	Host
RAID Levels Supported	0/1/5/10		Host
Additional services			
FortiCare Support Services	☑	☑	☑
Accessories			
4TB HD with Tray	☑		
8TB HD with Tray	☑		

CAMERA	CD51/CD51-C	CD55/CD55-C	FD50	FB50	MC51/MC51-C	FE120B
Format	Dome	Dome	Dome	Bullet	Mini Cube	Fisheye
Resolution	5MP@30fps	5MP@30fps	5MP@20fps	5MP@20fps	5MP@30fps	12MP sensor 9MP@30fps
Focal Length	2.8mm	2.7-13 mm (motorized, autofocus)	2.8-12 mm (motorized, autofocus)	2.8-12 mm (motorized, autofocus)	2.0mm	1.22mm
Wi-Fi	☑	☑			☑	
IR	20m+	20m+	30m	30m	8m	20m
Built-in Storage	512GB (CD51-C only)	512GB (CD55-C only)			512GB (MC51-C only)	
Operating Temperature	-40-50°C	-40-50°C	-10-60°C	-10-60°C	-10-40°C	-40-50°C
Power Source	PoE (802.3af) class 3	PoE (802.3af) class 3	PoE (802.3af) class 0	PoE (802.3af) class 0	PoE (802.3af) class 3	PoE (802.3at) class 4
Regulatory	IP67/IK10/ONVIF	IP67/IK10/ONVIF	IP66/IK10/ONVIF	IP66/IK10/ONVIF	Indoor/ONVIF/IPVOC	IP66/IK10/ONVIF
Mounting Included	Ceiling, wall, T-bar, EMT, mounting plate	Ceiling, wall, T-bar, EMT, mounting plate	Ceiling, wall	Ceiling, wall	Ceiling, wall	Ceiling, wall
Additional services						
FortiCare Support Services	☑	☑	☑	☑	☑	☑
FortiCamera Cloud Sub- scription	☑ (CD51-C)	☑ (CD55-C)			☑ (MC51-C)	
Accessories						
Pendant Cap	☑	☑	☑			☑
Pendant Arm	☑	☑	☑			☑
Junction Box	☑	☑	☑	☑		☑
Wall Mount L-type	☑	☑				
Ceiling Mount	☑	☑	☑			☑
Straight Tube	☑	☑	☑			☑
Pole Mount	☑	☑	☑			☑
Power Adapter					☑	

ORDER INFORMATION

SOLUTION BUNDLE		HARDWARE 400F	HARDWARE 100G	VIRTUAL
	Video recorder	FRC-400F	FRC-100G	FRC-VM-BASE (support 10 cameras) FRC-VM-10 (add 10 cameras) FRC-VM-50 (add 50 cameras) FRC-VM-100 (add 100 cameras)
	Third-party ONVIF cameras (stackable license)	FRC-EXC-1 (1 camera) FRC-EXC-5 (5 cameras) FRC-EXC-10 (10 cameras) FRC-EXC-20 (20 cameras)	FRC-EXC-1 (1 camera) FRC-EXC-5 (5 cameras) FRC-EXC-10 (10 cameras) FRC-EXC-20 (20 cameras)	FRC-EXC-1 (1 camera) FRC-EXC-5 (5 cameras) FRC-EXC-10 (10 cameras) FRC-EXC-20 (20 cameras)
FortiRecorder	FortiRecorder Cloud mode for cameras (stackable license)	FRC-CLM-20 (20 cameras)	FRC-CLM-20 (20 cameras)	FRC-CLM-20 (20 cameras)
	FortiGuard AI DB service	FC-10-FK4HF-214-02-DD		FC-10-K00VM-214-02-DD
	FortiCare Premium support	FC-10-FK4HF-247-02-DD	FC-10-FK10G-247-02-DD	FC1-10-K00VM-248-02-DD
	Replacement disks	SP-FRC400F-HDD1 SP-FRC400F-HDD2		FC-10-CM51A-247-02-DD

SOLUTION BUNDLE	CD51	CD55	FD50	FB50	MC51	FE120B
Camera	FCM-CD51	FCM-CD55	FCM-FD50	FCM-FB50	FCM-MC51	FCM-FE120B
FortiCare Premium support	FC-10-FC51-247-02-DD	FC-10-FC55-247-02-DD	FC-10-FCFD5-247-02-DD	FC-10-FCFB5-247-02-DD	FC-10-CM51A-247-02-DD	FC-10-FE20B-247-02-DD
Pendant cap	FCM-CD5-PCP--4	FCM-CD5-PCP--4	FCM-FD5-PCP-8			FCM-FE120B-PCP-4
Pendant arm	FCM-FD5-PDT-8	FCM-FD5-PDT-8	FCM-FD5-PDT-8			FCM-FD5-PDT-8
Junction box	FCM-FB5-JBX-4	FCM-FB5-JBX-4	FCM-FB5-JBX-4	FCM-FB5-JBX-4		FCM-FB5-JBX-4
Wall mount L-type	FCM-CD5-WMT-8	FCM-CD5-WMT-8				
Ceiling mount	FCM-MOUNT-STH-2	FCM-MOUNT-STH-2	FCM-MOUNT-STH-2			FCM-MOUNT-STH-2
Straight tube	FCM-MOUNT-ST20-4	FCM-MOUNT-ST20-4	FCM-MOUNT-ST20-4			FCM-MOUNT-ST20-4
Pole mount	FCM-MOUNT-POL-2	FCM-MOUNT-POL-2	FCM-MOUNT-POL-2			FCM-MOUNT-POL-2

SOLUTION BUNDLE	CD51-C	CD55-C	MC51-C
Cloud camera	FCM-CD51-C	FCM-CD55-C	FCM-MC51-C
FortiCare Premium support	FC-10-FC51-247-02-DD	FC-10-FC55-247-02-DD	FC-10-CTM5A-247-02-DD
FortiCamera Cloud subscription per camera	FC1-10-FCCLD-518-02-DD	FC1-10-FCCLD-518-02-DD	FC1-10-FCCLD-518-02-DD
Pendant cap	FCM-CD5-PCP--4	FCM-CD5-PCP--4	
Pendant arm	FCM-FD5-PDT-8	FCM-FD5-PDT-8	
Junction box	FCM-FB5-JBX-4	FCM-FB5-JBX-4	
Wall mount L-type	FCM-CD5-WMT-8	FCM-CD5-WMT-8	
Ceiling mount	FCM-MOUNT-STH-2	FCM-MOUNT-STH-2	
Straight tube	FCM-MOUNT-ST20-4	FCM-MOUNT-ST20-4	
Pole mount	FCM-MOUNT-POL-2	FCM-MOUNT-POL-2	

FREQUENTLY ASKED QUESTIONS

How can I extend storage on FortiRecorder?

- The FortiRecorder appliance has HD bays that you can fill with replacement disks.
- For VM instances it depends on the amount of storage that the host platform provides.
- You can add external storage as NAS via NFS or iSCSI. USB is available on the appliance models for very small installations.

How do I get face recognition on FortiRecorder?

- You can license FortiRecorder 400F and VM models to run face recognition analytics.
- Each FortiRecorder comes with one face recognition channel available for trial. It is limited to a seven-day history and requires Internet access for downloading the analytics module.
- It requires an active FortiGuard AI DB service license.
- The license activates up to two analytics channels for appliances and theoretically unlimited for VM installations, although the CPU load restricts the usable number.
- If the license is expired or invalid, only the last seven days of face recognition data (face cluster, face timeline, events, and activity) display.
- License activation requires Internet access for the recorder. After initial license verification and analytics module download, face recognition works without Internet connection for the license duration.

What are FortiCentral Analytics?

FortiCentral is the free video management system for FortiCameras. It offers a range of professional features for manned and forensic video surveillance. Included are AI modules that use DNN technology to perform:

- Face recognition
- Object detection
- Mask detection
- Occupancy control

The [FortiCentral application](#) is available for download.

Is there a sizing guide for VM installations? FortiRecorder?

Although you can stack VM licenses for up to 1000 cameras, this is a theoretical limit due to the host platform CPU and bandwidth constraints. Practically, partitioning larger installations into clusters of <250 cameras is best practice. For information and sizing guidelines, contact the FortiCamera CSEs.

How can I view video from FortiCameras?

- FortiRecorder interface
- FortiCentral video management software
- FortiRecorder mobile app (Android or iOS)
- API
- FortiCamera Cloud portal (available for active FortiCamera Cloud licenses)

What licensing do I need for FortiCamera Cloud?

Each camera available in FortiCamera Cloud portal requires an active annual subscription. You can order FC1-10-FCCLD-518-02-DD for any number of units and in 1-3-5 year terms.

FortiRecorder supports a hybrid mode where cameras connected to a FortiRecorder are available and managed through the FortiCamera Cloud portal. A FortiRecorder Cloud Mode license (SKU:FRC-CLM-20) is required in this case. This is a one-time perpetual license. Each active camera requires the subscription FC1-10-FCCLD-518-02-DD.

For details about FortiCamera Cloud licensing, see the [portal guide](#).

Does FortiCamera Cloud store data in the cloud?

All videos are stored in FortiCamera Cloud cameras for fast access. For hybrid model, videos can be stored in an onsite FortiRecorder NVR.

Visit www.fortinet.com for more details

