COVA
Cloud-Optimized Video Archiving

Dimensions
Unit: Inch (mm)

14.96"
(380mm)

10.55"
(268mm)

1.89"
(48.1mm)

1.77"
(45mm)

Summary

COVA is DW's gateway appliance to cloud-managed services. It is an easy-to-use recording solution for myDW subscribers, combining cloud monitoring, health management and clip sharing with on-site storage — Optimized and Secure.

The COVA NVR is managed through myDW health monitoring services, with video recorded locally and live viewing, playback, event notifications and user management available through the COVA web client, myDW dashboard and DW Mobile+ App. The hardware has 16 built-in PoE ports with 25.5 watts power, supports recording at real-time 30fps at up to 8K (16MP) resolution, and up to 32TB storage. It is protected by DW's and an unbeatable full 5-year warranty.

Features

- Complete installation in minutes!
- Setup and camera configuration via the DW Mobile Plus App. Skip the local monitor!
- Record and manage single-sensor IP cameras at real-time 30fps up to 8K, with 192Mbps maximum throughput
- 16GB myDW cloud storage for Clip Share included
- Includes 12 months subscription to myDW services
- Local power for up to 16 IP cameras via resident PoE switch makes the installation seamless and efficient.
- Remote user and event management via myDW health monitoring services.
- Upload events to myDW via Clip Share to address critical events quickly and efficiently.
- Up to 32TB local storage
- Compatible with ONVIF cameras
- Live, playback and video archiving via the web client
- Static and dynamic live camera views
- Event notifications and system health reports via myDW
- IdentiSee enables the search of individuals and vehicles that AI cameras have detected.
- Audio communications from supported IP cameras
- Local alarm sensor input and relay output for access control integration
- NDAA-compliant for federal and government projects
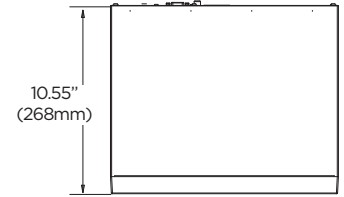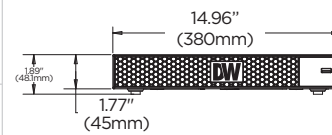- 19" rack mount ears included
- 5 year warranty

Accessories (Included)

19" rack mount ears

Specifications

VIDEO		
Operating system		Embedded Linux
System	Channels	16 channels
	Number of PoE ports	16 PoE ports
	Supported camera resolutions	Up to 8K (16MP)
Display	Video output ports	True HD, VGA
	Video output resolution	True HD: 3840 x 2160 / 1920 x 1080 / 1280 x 1024/ 1024 x 768
		VGA: 1920 x 1080 / 1280 x 1024/ 1024 x 768
	Display speed	Real-time 30fps live display per channel.
	Screen display mode	1, 4, 9,16
Ports	System operations	USB mouse
	USB	USB 2.0 x 2
LOCAL PERFORMANCE		
Recording resolution		Up to 16MP
Recording speed		Up to 30fps per channel in any resolution
Maximum throughput		192 Mbps
Recording modes		Schedule, continuous, event
Decoding	Live view and playback	Up to 30fps
Audio	Network input	16-channels input from supported IP cameras
	Local input/output	Disabled
	Compression	G.711(U/A)
Alarm	Input	8 In
	Output	4 Out
	Triggering	Record, snap, preset, e-mail, etc.
Storage	HDD interface	2x SATA HDDs
	Maximum internal storage	Up to 32TB
NETWORK PERFORMANCE		
LAN		10/100/1000Mbps Ethernet (JR45)
Compression		H.265 / H.264
Protocol		TCP / IPa, IPv4, IPv6, UDP, DHCP, DNS, DDNS, UPnP, NTP, HTTP, SMTP, 802.1x, RTSP, RTP, RTCP, WebSocket, ONVIF
Access	Remote web client features	Live monitoring, remote playback and file backup
		Playback up to 16 channels, 30fps per channel
		Timeline, calendar (date and time), event search, Identisee
		Remote system reboot, FW updates, system management and remote PTZ control.
	myDW camera health monitoring	Cloud-Base Health Monitoring
		User management, events and system health notifications, video share and cloud upload
		Remote system reboot, FW updates and system management
	Max stream connections	up to 64CH, Playback: up to 16CH
Remote time sync		Time synchronization to an NTP server (pool.ntp.org)
System recovery after power failure		Auto-reboot and journaling file system
Backup		Over the network, video share via myDW cloud-based VMS
GENERAL		
Operating temperature		14 ~ 122°F (-10 ~ 50°C)
Operating humidity		10% ~ 90% humidity
System	Power requirements	DC48V/3.75A
	Power consumption	Up to 20W (without HDD and PoE power supply)
PoE	PoE ports	RJ 45 100Mbps x 16
	Standards	IEEE802.3AF/AT
	Maximum power per port	802.3AT
	Output power	Up to 150W
Dimensions (WxDxH)		14.96" x 10.55" x 1.77" (380 x 268 x 45mm)
Certificate		CE, FCC, NDAA, RoHS
Warranty		5 year warranty

Built for Users.™

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DW®