



24 CHANNELS

The Y816 v3 is a 24 IP channel mobile Digital Video Recorder (DVR) within the Gatekeeper Mobile Data Collector (MDC™) lineup. The Y816 v3 can alternatively be configured to record 16 analog high definition (AHD) channels and 8 IP channels. Each channel can support up to 1080P 30 FPS resolution simultaneously. Gatekeeper MDCs also record audio, GPS data, accelerometer data, status of up to 8 I/O, passenger counting data, temperature, health parameters, time, configurable data fields such as vehicle number, fleet ID, route information and more. The Y816 v3 provides great video quality while producing less data for longer record times.

GATEKEEPER

Y816 v3 RECORDER

RUGGED SOLID-STATE DESIGN



KEY FEATURES

- 16 AHD and 8 IP channels
- Up to 24 IP channels with Gatekeeper 8 Port Camera Extender
- H.264 / H.265 video compression
- Support two 2.5" HDD / SSD
- Gigabit Ethernet Port

MOBILE DIGITAL VIDEO IP RECORDER

GATEKEEPER

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VIDEO

VIDEO CHANNELS	16 channels Analog High-Definition cameras and 8 channels IP cameras Any of the 16 analog channels can be individually re-assign as IP channels for a total of 24 IP channels
OUTPUT	1x CVBS + 1x VGA
VIDEO COMPRESSION	H.264 / H.265 – AHD user selectable H.265 encoding must be supported in IP cameras
VIDEO QUALITY	8 Levels
RESOLUTION	Analog: 1080P (1920X1080), 720P (1280X720), WD1 (928X480), Sony 960H (960 x 480), WCIF (464X240), D1 (704x480), HD1 (704x240), CIF (352x240) IP: 1080P (1920X1080), 720P (1280X720), D1 (720 x 480) (Camera Dependent)

VIDEO RESOURCE 16 channels 1080P @ 15 FPS (AHD)
8 channels 1080P @ 30 FPS (IPC)

16 channels 720P@ 30 FPS (AHD)
8 channels 1080P @30 FPS (IPC)

8 channels 1080P@ 30 FPS (AHD)
8 channels 1080P @ 30 FPS (IPC)

VIDEO RESOURCE WITH GATEKEEPER 8-PRS CAMERA EXTENDER Up to 24 IP channels 1080P @ 15 FPS

ON SCREEN DISPLAY User configurable

VIDEO STREAMS Dual Streaming

AUDIO

AUDIO CHANNELS	24 channels
OUTPUT	1x CVBS and 1x VGA
AUDIO COMPRESSION	ADPCM

STORAGE

STORAGE	Support two 2.5" HDD Support two 2.5" SSD
SD CARD	One SD card slot; support up to 256GB SD card

RECORDING

RECORDING TRIGGER	Schedule, alarms, sensor triggers
PRE-RECORDING	0 to 60 min
POST-RECORDING	0 to 30 min
FILE SIZE	15 min of video

NETWORK

ETHERNET	10/100/1000MBPS
CELLULAR	Support
WIFI (INTERNAL)	802.11AC/G/N/AC, AES, WPA2
GPS	Supported with passive antenna

POWER

INPUT	DC 8v to 36v
OUTPUT	5v 500mA, 12v 500mA

PHYSICAL

DIMENSIONS 14.3" (L) x 10" (W) x 5" (H)
(363mm x 255mm x 127mm)

WEIGHT 9.5kg

ENVIRONMENTAL

OPERATING TEMPERATURE	-40°F TO +176°F (-40° TO +80°)
HUMIDITY	8% to 90% non-condensing

INTERFACE

USB 1 x USB 3.0 (front panel, Type A)
1 x USB 3.0 (rear panel, Type B with screw lock)

NETWORK 4 x RJ45 female connector

GPS 1 x SMA female connector

IP CAMERAS RJ 45 to 8 Port Camera Extender

ANALOG CAMERAS DB connector with Medusa Cable - 8 molex camera connectors per cable

INDUSTRIAL STANDARDS

SHOCK AND VIBRATION MIL-STD-810F

INGRESS PROTECTION IP54

