



24 CHANNELS

Gatekeeper's Y816-R is a 24 channels Mobile Digital Video Recorder. The Y816-R is a rugged solid-state design with M12 connectors and meets EN50155 certification. The DVR supports up to 16 analog channels (standard definition and high definition) and 8 IP channels simultaneously. IP channels are supported through the addition of external switches. The 16 analog channels can be individually re-assign as IP channels thus allowing the DVR to be up to a 24 channel IP recorder. Every channel whether analog or IP can support up to 1080p resolution simultaneously.

GATEKEEPER

Y816-R RECORDER

RUGGED SOLID-STATE DESIGN



KEY FEATURES

- EN50155 certification
- M12 Connectors
- H.265 video compression
- Support for up to 4TB SSD or Hard Drives
- Optional - support up to two 2.5" SSD, up to 8TB per drive

MOBILE DIGITAL VIDEO IP RECORDER

GATEKEEPER

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Abbotsford, BC V2T 6H1
Canada

Gatekeeper Systems USA Inc.
200 Rittenhouse Circle, Suite 7E
Bristol, PA 19007
United States

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.
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), WHD1 (928X240), WCIF (464X240), D1 (704x480), HD1 (704x240), CIF (352x240) IP: 1080p (1920X1080), 720p (1280X720), D1 (720 x 480) (Camera Dependent)
VIDEO RESOURCE	16 AHD channels 1080p @ 15 FPS, or 16 analog standard definition channels (D1) @ 30 FPS 8 IP channels 1080p @ 30 FPS 8 AHD channels 1080p @ 30 FPS
VIDEO RESOURCE WITH GATEKEEPER 8-PRS-R	Up to 24 IP channels 1080p @ 15 FPS with two Gatekeeper 8-PRS-R (8 port switch)

ON SCREEN DISPLAY	User configurable
VIDEO STREAMS	Dual Streaming

AUDIO

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

STORAGE	Support dual 2.5" HDD up to 4TB per drive Support up to two 2.5" SSD, up to 8TB per drive
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INDUSTRIAL STANDARDS

CERTIFICATION	EN50155
SHOCK & VIBRATION	MIL-STD-810F

INGRESS PROTECTION	IP54
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PLAYBACK

DVR VIDEO PLAYBACK	1 channel local up to 8 channels 1080p or 10 channels 720p using Gatekeeper's G4 Viewer Plus software application. Local decode of H.264 and H.265
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SEARCH METHOD	Date/Time, channel, event
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NETWORK

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

POWER

INPUT	8v to 36v
OUTPUT	5V 500MA, 12V 500MA
MAX. POWER	100W
CONSUMPTION	

PHYSICAL

DIMENSIONS	14.3" (L) x 10" (W) x 5" (H) (363mm x 255mm x 127mm)
WEIGHT	9.2kg

ENVIRONMENTAL

OPERATING TEMPERATURE	-40°F TO +176°F (-40° TO +85°)
HUMIDITY	8% to 90% non-condensing

INTERFACE

USB	1 x M12 female connector
NETWORK	4 x M12 female connector
GPS	1 x SMA female connector

