



## RAIL CERTIFIED HD RECORDER

Y724-R is a solid-state design with M12 connectors that meets EN50155 standards for railway application. The DVR is capable to withstand shock, vibration, and the environmental stresses inherent in rail operations. Y724-R records 16 IP channels at 1080p up to 30 FPS on all channels simultaneously. The DVR also supports a total of 24 IP channels with Gatekeeper's 8 Port Switch R (8-PRS-R) and supports spinning hard drives or solid state drives up to a total of 4TB.

# GATEKEEPER

## Y724-R RECORDER

**M12 CONNECTORS  
SHOCK RESISTANT  
EN 50155 CERTIFIED**



### KEY FEATURES

- MIL-STD-810G, RoHS, EN50155
- M12 Connectors
- Removable hard drive caddy with up to 8TB SSD storage
- Caddy has 2 drive slots for mirror recording SD cards up to 256GB
- Built in cooling system
- MIL SPEC 810F compliant for shock and vibration
- ISO 16750-3 certified
- Integrated lock box
- Internal hard drive suspension system

# RAIL DIGITAL VIDEO IP RECORDER

# GATEKEEPER

Gatekeeper Systems Inc.  
301-31127 Wheel Avenue  
Abbotsford, BC V2T 6H1  
Canada

Gatekeeper Systems USA Inc.  
7-200 Rittenhouse Circle East  
Bristol, PA 19007  
United States

## VIDEO

VIDEO CHANNELS	16 IP, 24 IP using 8 port external switch
OUTPUT	1 channel
VIDEO COMPRESSION	H.264
VIDEO QUALITY	User Configurable
VIDEO SYSTEM	NTSC/PAL 75 OHM
RESOLUTION	DIGITAL: Camera Dependent 1080p (1920x1080), 720p (1280x720)
VIDEO RESOURCE	16 IP x 1080p @ 30 FPS 24 IP x 1080p @ 15 FPS 24 IP x 720p @ 30 FPS
ON SCREEN DISPLAY	User configurable
VIDEO STREAMS	Dual Streaming
CONNECTORS	M12

## AUDIO

AUDIO CHANNELS	16 IP, 24 IP using 8 port external switch
OUTPUT	1 channel
AUDIO COMPRESSION	ADPCM

## STORAGE

Removable drive caddy with up to 4TB of storage  
Drives: 1TB HDD, 2TB HDD, 1TB SSD, 2TB SSD  
1 SD Card: 32GB, 64GB, 128GB, 256GB

## RECORDING

RECORD TRIGGER	Schedule, alarms, sensor triggers (includes ignition)
PRE RECORDING	0 to 60 mins
POST RECORDING	Max 30 mins

## PLAYBACK

DVR VIDEO PLAYBACK	Support local 1/4 channel playback Up to 9 channels using G4 Viewer Plus
SEARCH METHOD	Date/Time, channel, event
BACKUP MODE	USB

## NETWORK

ETHERNET	M12
CELLULAR	3G or 4G cellular module
WIFI	Optional 802.11ac 5GHz
GPS	Location, Speed, Time Sync
USB	M12

## POWER

INPUT	8 to 36v
OUTPUT	5v at 500 mA & 12v at 500 mA
CONSUMPTION	
STANDBY CURRENT	<1 mA @ 12.6v

## PHYSICAL

DIMENSIONS WITHOUT CABLE COVER	8.3" x 9.4" x 4.6" (211mm x 238mm x 116mm)
DIMENSIONS WITH CABLE COVER	12.8" x 9.4" x 4.6" (325mm x 238mm x 116mm)

## WEIGHT

9.25 lbs (4.2 kg)

## ENVIRONMENTAL

OPERATING TEMPERATURE	-40°F to 158°F (-40°C to +70°C)
OPERATING RH	Below 90% non-condensing

## VIEWING SOFTWARE

G4 Viewer Plus

## VIEWING SOFTWARE

MIL-STD-810G, RoHS, EN50155, ISO 16750-3

