

## ◆ EMU Carriage Video Surveillance System (RHV) ◆

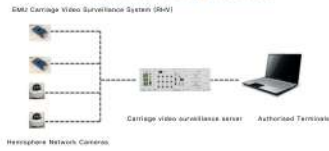
### Product Introduction

The video surveillance system (RHV) is installed inside the train compartment. Our company has developed different models of a video surveillance system according to different train models. The system integrates NVR host, hard disk, power module, switch module, matching panoramic network camera, and dome network camera; with the authorized terminal, it can realize video query, storage, playback, and download functions.

#### MAIN FEATURES

- 1) Support for 1080P or 720P resolution HD network cameras, M12 interface;
- 2) Support for 1 network interface; access to authorized terminals, M12 interface;
- 3) Support for 1 hard disk cassette with a built-in 2TB hard disk; the cassette has vibration isolation measures.
- 4) Support 1 USB 3.0 interface.

### System components



### Main features

#### PANORAMA WEBCAMS



#### PANORAMA CAMERA SPECIFICATIONS

Item	Parameter	
Taking lens	field angle	180°
	azimuth field angle	360°
	focus	Within the range of 1.2-1.4mm
	clear aperture	2.0
Sensor parameters	Fastening method	With locking device to meet the requirements of a vibrating train environment
	Sensor type	1/3" CMOS imaging target
	Shutter	1/50 second to 1/200,000 second
	Image pixels	Progressive scan over 2 million pixels
Codestream type	SNR	>60dB
	Supports dual-stream	
Character overlay	Supports train number, camera position number, date, time	
Alarm function	Provides video blocking and video screen loss alarms	
Other functions	Support dual-stream, anti-flicker, heartbeat signal, multi-level user management	
Security level	Protection level	IP54 (positive)

## Products

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#### CARRIAGE SERVER SPECIFICATIONS

Technical		Technical specifications	
Model number		RHV	
System	Operating system	Linux3.0.8	
Video	Input	8-channel IPC (2 reserved, 6 channel 1080P)	
	Operating interface	External authorised terminals	
Video	compression formats	Video H.264	
	Image resolution	1080P@720P	
Network	Ethernet	M12(100M)X9	
Storage	Hard Drive	2.5" SATA hard drive X1	
Interface	Interface	USB 3.0 (reserved)	
	Voltage	DC67.2-143V (Wide voltage input range)	
Power supply	Current	Input DC110V@0.72A	
	Output	DC+24V	
Power consumption	Maximum power consumption	110V power supply Maximum power consumption in normal operation <80W	

#### CARRIAGE SERVER



#### HEMISPHERIC WEBCAMS



#### HEMISPHERIC CAMERA SPECIFICATIONS

Item	Parameter	
Taking lens	Field angle	Horizontal field
	Azimuth field angle	Vertical field Angle
	Focus	Focus
	Clear aperture	Clear aperture
Sensor parameters	Fastening method	Fastening method
	Sensor type	1/3" CMOS imaging target
	Shutter	1/50 second to 1/100,000 second
	Image pixels	Progressive scan 900,000 pixels or more
Codestream type	SNR	>60dB
	Supports dual-stream	
Character overlay	Supports train number, camera position number, date, time	
Alarm function	Provides video blocking and video screen loss alarms	
Other functions	Support dual-stream, anti-flicker, heartbeat signal, multi-level user management	
Security level	Protection level	IP54 (positive)