

OBSERVER™ 4112 HVR

12-CHANNEL HYBRID VIDEO RECORDER



The Observer 4112 HVR is Safety Vision's HD recorder best known for its reliable performance that fleet operators can depend on. Recommended for solutions up to 12 cameras, the Observer 4112 HVR combines 8 HD channels and 4 IP channels, with up to 1080p resolution for each. Now equipped with H.265 video compression for smaller file sizes, the Observer 4112 HVR can store even more HD video on the removable hard drive and significantly lower bandwidth costs when wirelessly offloading recorded footage. The Observer 4112 HVR comes fully loaded with built-in wireless and cellular networking capabilities, integrated GPS, a built-in G-force sensor, and an SD card slot for optional mirror recording.

PART NUMBER

4112-HVR

OS SUPPORT

Linux 4.9

CAMERA CHANNELS

8 channels (AHD) + 4 IP (requires PoE switch)

VIDEO OUTPUT

2 channels

QUALITY SETTINGS

Adjustable 8 levels

RECORDING RESOLUTION

NTSC: 8 × 1080p @ 12 FPS + 4 × 1080p @ 30 FPS (IP)

or

8 × 720p @ 30 FPS + 4 × 1080p @ 30 FPS (IP)

PAL: 8 × 1080p @ 10 FPS + 4 × 1080p @ 30 FPS (IP)

or

8 × 720p @ 25 FPS + 4 × 1080p @ 30 FPS (IP)

VIDEO COMPRESSION

H.265/H.264

STORAGE

1 × SATA II 2 TB HDD or 2 TB SSD

Mirror Recording: 1 × SD card up to 256GB max (optional)

RECORDING MODES

Continuous / scheduled / alarm

PRE-EVENT RECORDING

Configurable up to 60 minutes

POST-EVENT RECORDING

Configurable up to 30 minutes

ETHERNET

1 × RJ45 (10/100/1000M)

WI-FI (ANTENNA REQUIRED)

Embedded module (802.11b/g/n/ac)

GPS (BUILT-IN)

Antenna required (date / time, vehicle speed, mapping data)

ACCELEROMETER (BUILT-IN)

3-Axis

INTERFACES

Front: 1 × USB 2.0 (type A)

Rear: 1 × USB 2.0 (type B), 2 × RS232, 2 × RS485

SENSORS

8 inputs, 2 outputs

POWER INPUT

8 ~ 36V DC, ACC

POWER OUTPUT

5V @ 500mA, 12V @ 500mA

OPERATING TEMPERATURE

-40° F ~ 158° F (-40°C ~ 70°C)

DIMENSIONS (W × H × D)

9.02 × 4.3 × 11.9 in (229.0 × 108.3 × 302.7mm)

CERTIFICATIONS

CE, FCC, CE-EMC, RoHS, EN50155-EMC, EN50155-RELIABILITY, ISO7637, MIL-STD-810, CE-RED, CE-GPS, CE SAR, CE SAFETY, FCC-DOC, CE-EMC, ISO7637

POWER CONSUMPTION IN STANDBY MODE*

INPUT (IN VOLTS)	CURRENT (IN AMPS)	POWER CONSUMPTION (IN WATTS)
12V	.08A	.96W
15V	.07A	1.050W
27V	.08A	2.160W
36V	.08A	2.880W

*Estimated average values above are HVR in 'Standby' mode. Values above were recorded in a clean environment, exact values may vary slightly per environment.

POWER CONSUMPTION UNDER TYPICAL LOAD‡

INPUT (IN VOLTS)	CURRENT (IN AMPS)	POWER CONSUMPTION (IN WATTS)
8.6V	5.12A	44.032W
12.4V	3.62A	44.888W
24V	1.77A	42.48W
36V	1.24A	44.64W

‡Estimated average values above are HVR under typical load. Values above were recorded in a clean environment, exact values may vary slightly per environment. Typical load consists of: HDD, SD card, CP4, 8x AHD cameras (IR on), 4x IP cameras (IR on), 1x 12VDC out, 1x 5VDC

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