

# OBSERVER™ 4401 HVR

## 5-CHANNEL HYBRID VIDEO RECORDER



The Observer 4401 HVR records up to 5 channels of crisp 1080p resolution, supporting 4 HD cameras and 1 IP camera. Equipped with H.265 video compression for smaller file sizes, the Observer 4401 HVR can store even more HD video and significantly lower bandwidth costs when wirelessly offloading recorded footage. With dual SD card slots, an optional secondary SD card can be used for either mirror recording or as an additional storage device. The Observer 4401 HVR comes fully loaded with built-in wireless and cellular networking capabilities, integrated GPS, and a built-in G-force sensor, offering fleet operators a cost-effective recording solution they can rely on.

### PART NUMBER

4401-HVR

### OS SUPPORT

Linux 4.9

### CAMERA CHANNELS

4 channels (AHD) + 1 IP

### VIDEO / AUDIO OUTPUT

1 channel

### QUALITY SETTINGS

Adjustable 8 levels

### RECORDING RESOLUTION

NTSC: 4 × 720p @ 30fps + 1 × IP 1080p @ 30 fps

or

4 × 1080p @ 15fps + 1 × IP 1080p @ 30 fps

PAL: 4 × 720p @ 25fps + 1 × IP 1080p @ 30 fps

or

4 × 1080p @ 15fps + 1 × IP 1080p @ 30 fps

### VIDEO COMPRESSION

H.265/H.264

### STORAGE

2 × SD card (256 GB each, 512 GB total)

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

### RECORDING MODES

Continuous / scheduled / alarm

### PRE-EVENT RECORDING

Configurable up to 60 minutes

### POST-EVENT RECORDING

Configurable up to 30 minutes

### ETHERNET

6-pin M12 (1 × 10/100M)

### WI-FI (ANTENNA REQUIRED)

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

### GPS (BUILT-IN)

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

### ACCELEROMETER (BUILT-IN)

3-Axis

### INTERFACES

**Front:** 1 × USB 2.0 (type A)

**Back:** 1 × RS232 (extends to 2 × RS232 and 2 × RS485 with optional COM extender)

### 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)

6.18 × 2.51 × 8.76 in (157 × 63.7 × 222.5 mm)

### 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 MILLIAMPS)	POWER CONSUMPTION (IN MILLIWATTS)
8V	0.62852mA	5.024mW
13.5V	1.058mA	14.283mW
27V	2.372mA	64.044mW
36V	3.415mA	112.695mW

\*Estimated average values above are HVR in 'Standby' mode (MCU\_3V3 not powered on). 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)
8V	2.717A	21.736W
13.5V	2.003A	27.041W
27V	1.044A	28.188W
36V	0.852A	28.116W

‡Estimated average values above are HVR under typical load (MCU\_3V3 powered on). Values above were recorded in a clean environment, exact values may vary slightly per environment.

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