

Real-time streaming
Connect and record
View and download
Command center software



PRODUCT DESCRIPTION

Elsight's Rider family of products (digital & network video recorders) are designed to fit into any vehicle where high quality video recording and live transmission are essential to fulfil the proper surveillance purposes. The Riders offers excellent encoding resolution on all channels with Wi-Fi automatic off load of recorded files, local storage on hard-disk and 2-way audio between the Command Center and the vehicle where it is installed into.

MAIN ADVANTAGES

- **High Level of visibility** – Multi camera video streaming allowing 360 degree visibility
- **Real Time decision making** – Allows real time streaming to the Command Center enabling fast and facts based decision making
- **Feature rich solution** – Offers 2 way communication, imbedded Wi-Fi module, and GNSS (Global Navigation Satellite System)
- **Full control of the environment** – Offering a strong C&C platform for managing hundreds of simultaneous streams



Drones



Autonomous Vehicles



Medical



HLS & Transportation



Broadcast & Journalism

FEATURED HIGHLIGHTS

- **Wi-Fi Automatic** - offload of the video storage once the fleet arrives to the parking destination with WIFI access
- **Dual Compression** - for simultaneous video streaming in real-time while recording at the highest quality
- **Interoperable with fleet** - management and mobile assets solutions via RS- 485/422/232 interfaces



TECHNICAL SPECIFICATIONS

Video / Audio input	RiderM 4/8 CH	RiderN 4/8 CH
Video Input	4/8-ch Aviation plug (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive	4/8-ch IP video & audio input
Audio Input	4/8-ch Aviation plug (linear electrical level, 1 kΩ)	4/8-ch IP video & audio input
Video / Audio output		
VGA output	1-ch. Resolution: 1920×1080, 1280×1024, 1280×720, 1024×768	
CVBS output	1-ch. Aviation plug (1.0 Vp-p, 75 Ω); resolution: PAL: 704 × 576, NTSC: 704 × 480	
Audio Output	1-ch, aviation plug (linear electrical level, 600 Ω)	
Video Compression		
Video Compression	H.264	
Encoding resolution	4CIF/DCIF / 2CIF / CIF / QCIF	NA
Video Frame Rate	25 fps(P) / 30 fps(N)	25 fps(P) / 30 fps(N)
Storage		
Type and Capacity	Two 2.5-inch SATA interfaces for Pluggable HDD /SSD disks; Up to 1 TB capacity for each HDD/SSD	
Wireless Transmission		
3G/4G Dialing	WCDMA and FDD-LTE module are supported. 1, 3G/4G dialing antenna; 802.11 b/g/n supported, 2.4GHz	
Navigation Satellite System		
GNSS	1 navigation satellite antenna interface for GPS	
External Interfaces		
Alarm In/Out	3-ch high/low-level signal input; 2-ch relay output	
Network interface	1 RJ45 10M/100M self-adaptive Ethernet interface.	
Serial Interface	1 RS-232 interface; 1 RS-422 interface	
SIM and SD/SDHC	1 standard SIM slot; 1 standard SD/SDHC slot	
General		
Power Supply and Consumption	Input: 9-36 VDC ; Standby: Max. 0.5W; Full load: Max.20W (without IP cameras or hard disks)	
Working Humidity & Temperature	10% ~ 90%; -15 °C ~ +55 °C	
Weight and Dimensions (W×D×H) for 8 CH	≤ 3.5kg (7.72 lb) (without hard disk); 245.8mm×202mm×86.87mm	