

Sumavision Live & Sports Solution

——SP03 Series Portable Media Encoder

Sumavision SP03 series is broadcasting-level field encoder and transmitter designed for newsgathering, live sports, public safety, conference, etc. It combines innovative 4K/UHD video production with reliable 4G and 5G transmission from anywhere around the world.

This field unit is a market leading broadcasting-level portable encoder, which supports HEVC high-quality encoding at 4:2:0 or 4:2:2 60P chroma subsampling and 8 /10 bit in real-time with super low latency.

In addition to video and audio transmission, the SP03 series offers advanced features to facilitate remote production including Video Return, Bi-direction IFB, Data Pipe, Tally Light and File Transfer, which enables broadcasters to do efficient, cost-effective and professional live video production from centralized studio room.



Ultra-Low Latency

Enable end-to-end latency down to 80 ms



IP Bonding

Proprietary CSF™ protocol enables 8-ch bonding for reliable transmission



Adaptive Encoding

Industry-leading algorithm SCAE™ enables adaptive encoding bitrate



Flexible Output

Supports multiple protocols CSF™, SRT, RIST, UDP for transmission

SUMAVISION SP03 SERIES TO COVER ALL YOUR NEEDS



News Gathering

Cover each and every story quickly and cost-efficiently



Live & Sports Broadcast

Deliver remote synchronized multi-camera sports coverage



Event Remote Production

Build a robust and easy-to-deploy remote production workflow

Contact Us

SUMAVISION TECHNOLOGIES CO., LTD

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Fax: +86 10 62978800

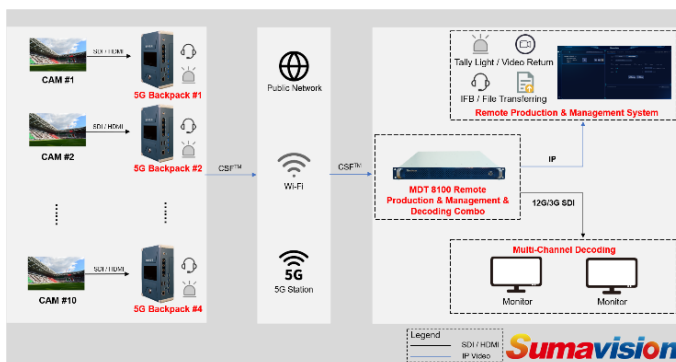
Email: worldmarket@sumavision.com

Website: www.sumavision.com

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HOW DOES IT WORK?

1. Connect your camera, switcher or any other video source to the Sumavision SP03 series field encoder with SDI or UHD V2.0 cable;
2. Send your live feeds to selected destination with our CSF™ & SCAE™ technology via public IP network;
3. Receive your live feeds in your station or cloud-based decoder;
4. Manage your stream from anywhere via the Sumavision central management system;

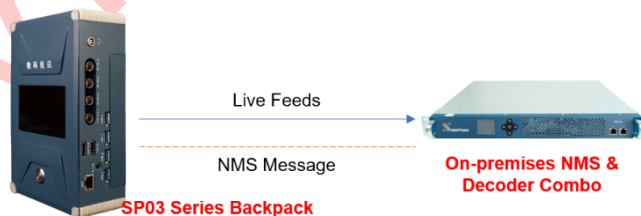


HOW IS THE DEPLOYMENT SCHEMES?

On-premises NMS Set-up

—Management & Decoding Combo with One On-premises Server

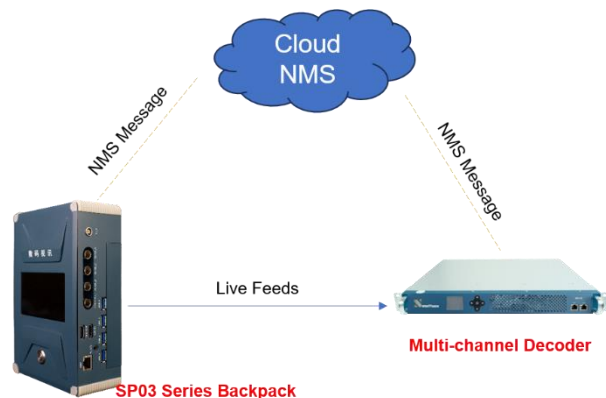
- ✓ Adapt to any broadcasting scenarios in any network, even in a LAN network.
- ✓ One-time payment gives you a permanent use license and all control with services.
- ✓ Control data and live feeds transmit simultaneously via public network and on-premise server.



Cloud NMS Set-up

—Management with Cloud & Live Feeds Transmission with Public Network

- Designed for maximum flexibility, cloud NMS enables you to adapt to any cloud-based solution and easily manage all the field units at anywhere.
- Take full advantage of the local ISP network and avoid the network jitter and bandwidth limitation on cloud service.
- All device control is based on the cloud NMS and live feeds transmission are through private/public network.



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TECHNICAL SPECIFICATIONS

Item	SP03	ST300
Video Codec & Modems		
Video Output	1*4K / HD HEVC	1*HD HEVC
Chipset	High-level	Medium-level
5G/4G Modem	2*5G and 4*4G internal modems	4*4G internal modems (max. 6)
Network	5G/4G/3G/Wi-Fi/Ethernet	5G*/4G/3G/Wi-Fi/Ethernet
IP Connection	Total 11 IP connections (6*SIM+4*USB+1*GbE)	Total 11 IP connections (4/6*SIM+4*USB+1*GbE)
Units		
Video Interface	4*3G-SDI 1*12G-SDI (share with 3G-SDI 1) 1*UHD V2.0	
Rate Control	VBR / CBR	
Bitrate	4K: up to 80 Mbps HD: up to 50 Mbps	
Audio Density	Up to 4 stereo pair per video	
Audio Format	MPEG-1 Layer 2 / AAC / HE-AAC V1 / HE-AAC V2	
Output Protocol	UDP/SRT/RIST/RTMP/CSF™	
IP Bonding	Up to 8 channels IP bonding	
Remote Production Tool	Video Return Bi-direction IFB Data Pipe Tally Light File Transfer	
Battery	4-hours internal battery V-mount external battery supported	
Control	Full web-based unified NMS and mobile NMS	
LCD Screen	4.3 inch touch screen	
Dimension	(209*140*76) mm	
Weight	1.25kg (without battery)	
Operation Temperature	(-10 to 50) °C	

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