

Compact Satellite News Gathering System for Small Vehicles



Get to the scene quickly. Start broadcasting immediately.

Compact, low-power SNG system with satellite auto-tracking for fast onsite broadcasting.



Compact Satellite News Gathering (SNG) System for Small Vehicles

Superior mobility using smaller vehicles

The antenna and other equipment are more compact and consume less power, resulting in a streamlined SNG system that is smaller and has superior mobility compared to conventional truck-mounted units. Even small-sized vehicles can now be used as broadcasting bases, taking advantage of their maneuverability for reaching those hard-to-get-to scenes.



Utilize immediately anywhere, anytime

The newly developed 40cm automatic tracking antenna enables real-time satellite tracking even while the vehicle is in motion. Additionally, there's no need for a jack to stabilize the vehicle body, making broadcasting possible immediately after arriving at a scene.

High-definition TV signal transmission

Combining a MPEG-4 AVC/H.264 encoder and a DVB-S2 modulator has realized the ability to transmit HDTV signals (high-speed transmission of up to 15Mbps).

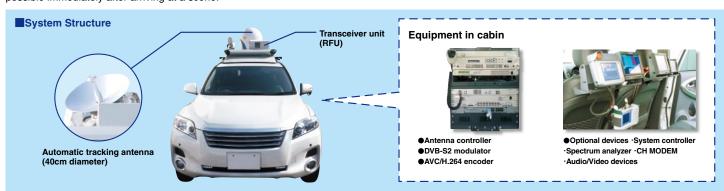
Utilize existing SNG networks

This new SNG system is capable of transmitting HDTV signals around the 8MHz bandwidth, enabling compatibility for use with general broadcasting stations and operation within existing SNG networks. Furthermore, installing a CH MODEM (optional) enables a contact line to be built into an existing system.

(Requires survey of existing SNG system when using the system outside Japan.)

One-touch operation

One-touch operation is possible simply by adding a system controller (optional).



■Specifications			
Operating frequencies	Transmit: 14.00 ~ 14.50GHz, Receive: 12.25 ~ 12.75GHz		
EIRP	47.7dBW (max.)		
Transmission signal	HDTV or SDTV video: 1ch, Audio: up to 8ch		
Antenna	40cm-diameter parabolic antenna		
Satellite capture	Automatic capture/tracking		
Polarization	Linear		
Antenna operating range	Elevation angle: 15° ~ 75°, Azimuth angle: all directions		
IF frequencies	Transmit: 950 ~ 1450MHz, Receive: 950 ~ 1450MHz		
Modulation	DVB-S2 compliance		
Video encoding	MPEG-4 AVC/H.264 compliance		
Audio encoding	MPEG-2 AAC LC, LPCM (SMPTE302M)		
Video input	HD-SDI, SDI *no simultaneous input		
Audio input	Multi-SDI, AES/EBU up to 8ch		
Other	Exterior equipment	Interior equipment	
Environmental conditions	-10°C ~ +45°C/relative humidity	0°C~ +40°C/relative humidity	
	less than 95%	less than 90% (no condensation)	
Dimensions/Weight	Automatic tracking antenna:	ACU: EIA 2U: 8kg IF CONT: EIA 1U: 8kg	
	Height: 635mm, diameter: 535mm, weight: 28kg	HDTV modulator: EIA 1U: 6kg	
	Transceiver unit (RFU)	HDTV encoder: EIA 1U half: 4kg	
	350×232×617mm (W×H×D), weight: 22kg	*Total Weight 26Kg	
	*Total Weight 50Kg		
Power source	AC100V~240V(50/60Hz)		
Power consumption	ANT/ACU:250VA; RFU:670VA; IF CONT: 60VA;		
	HDTV modulator: (max.)80VA; HDTV encoder: 40VA		
	*Total 1100VA		

■Op	tions			
Vehic	le			
SUVs		A compact generator installed in the vehicle is used (use of small portable generator also possible)		
Mini-v	ans	·Generator is installed in engine compartment; automatic voltage regulator (AVR)		
*Vehicle	s with a sunroof	and inverter are installed in the luggage compartment		
installed	are recommended	·Equipment configuration easily changed using equipment racks		
		·Using vehicle with sunroof minimizes vehicle modification		
		·Loading weight and available space need to be confirmed for each model		
Syste	m controller			
Equipm	nent monitoring	nitoring Addition of system controller (EIA 1U) eliminates complications of operating each device individually		
and cor	d control device • Touch panel adopted in consideration of operability			
CH M	ODEM			
Frequency range		950 ~ 1450MHz	Addition of CH MODEM (EIA 1U) enables attachment of	
Modulation/Demodulation		QPSK	contact line (satellite phone) compatible with the existing	
method			SNG system (Requires survey of existing SNG system when using the system outside Japan.	
Audio	/Video devices	(demo car specif	ication example) *can be customized to fit installation space	
Input	Exterior panel	HD SDI (emb): 1ch, HD SDI (video): 1ch, SD SDI (video): 1ch, NTSC (video): 1ch, analog audio: 4ch		
	Interior panel	HD SDI (emb): 2	Pch, HDMI: 1ch, NTSC (video): 1ch., analog audio: 2ch	
Switcher HD SDI signal: 8 inputs, 4 outputs		3 inputs, 4 outputs		
Audio mixer		Analog audio: 8 inputs, 6 outputs		
VTR		For HDV: 1, for P2HD: 1		
Monitors		Main-line monitor: 1, VTR monitor: 1, Audio monitor: 1		
VE-re	lated	WFM: 1 unit		
Clock		GPS clock		



Safety

To ensure safe and correct use, please read the instruction manual carefully prior to use.



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