

IP converter for network distribution of input video

ONVIF transmitter

NVT-SDI / NVT-DVI

The transmitter encodes SDI/DVI (digital/analog) video signals into the H.264/JPEG format also encodes audio signals into the AAC/G.711 format and streams them over the IP network.

Features

- Full HD (1920x1080) video can be transmitted over the network.
- Low resolution stream output is supported. * exclusive use with snapshot function
- Snapshot function is supported. * exclusive use with low resolution stream output
- With a throughput port, no additional distributor is necessary.
- Serial pass through function is supported.
- Configuration and firmware update can be performed from a PC over the network.
- The set values of the transmitter can be backed up in the included memory card for smooth maintenance.
- The transmitter has a scaler that supports up/cross conversion, I/P conversion and aspect conversion.
- VESA format input and PC screen transmission is supported. * The following features are for NVT-DVI only.
- The Dot by Dot mode that maintains the resolution of encoded input signals is supported. * The following features are for NVT-DVI only.



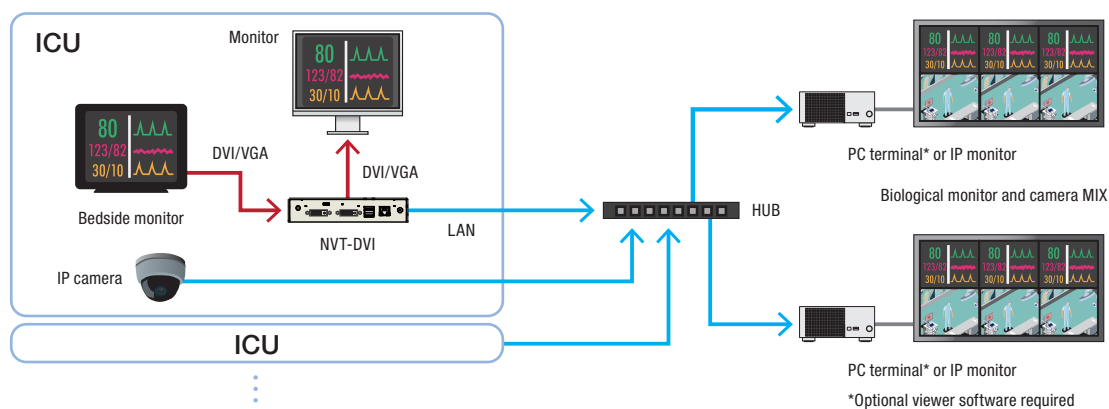
NVT-SDI



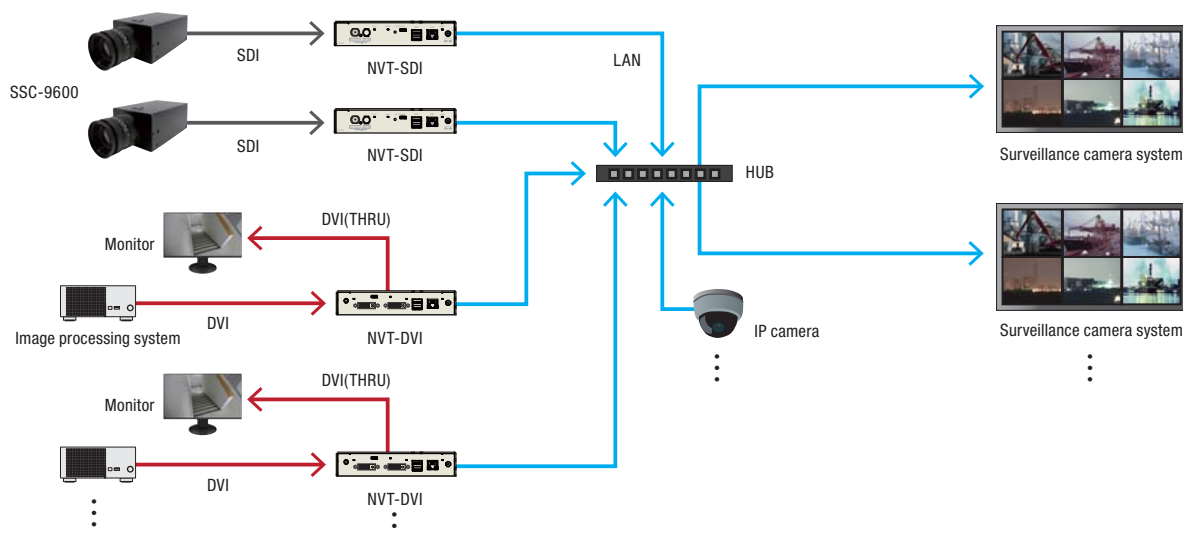
NVT-DVI



Example : ICU monitoring system



Example : Surveillance camera system



NVT-SDI Specifications

Video Input	Format	1920×1080/59.94p/60p/50p, 1920×1080 59.94i/60i/50i, 1280×720 59.94p/60p/50p, NTSC(480i), PAL(576i)
	Standard	3G-SDI 10bit (SMPTE424M) HD-SDI 10bit (SMPTE 292M) SD-SDI 10bit (SMPTE 259M-C)
	Terminal	BNC (3G/HD/SD Shared) x1
Video Output (Through)	Standard	Active through output of SDI Input *Power ON
	Terminal	BNC x1 (3G/HD/SD)
USB		For function expansion
Network I/F	Standard	10Base-T, 100Base-TX, 1000Base-T
	Terminal	RJ45 x1
Audio Input Level		1Vrms(max)
Audio Input		3.5mm audio jack
Micro-USB		For maintenance
Memory card slot		For maintenance *Memory card included
Encode Format	Video	Compression : H.264(Baseline Profile), MotionJPEG(Baseline) Resolution : (default profile) 1920×1080, 1280×720, 640×480, 640×360 (sub profile) 640×360, 320×240, 320×184
	Audio	AAC/G.711
Power supply		AC adapter : AC100V(50/60Hz) Input : DC12V
Power Consumption		<15W
Operational Temperature		5 - 40°C (without condensation)
Operating humidity		20 - 80% (without condensation)
Dimensions		170(W)×34(H)×120(D) mm
Weight		<450g

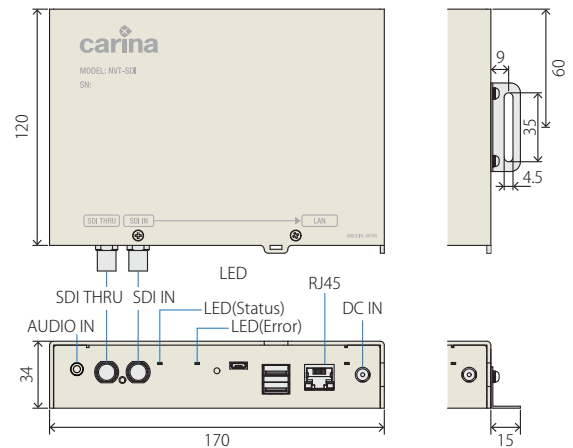
Product composition : NVT-SDI, AC adapter, Fixing bracket, Non-slip rubber, Manual / warranty card

NVT-DVI Specifications

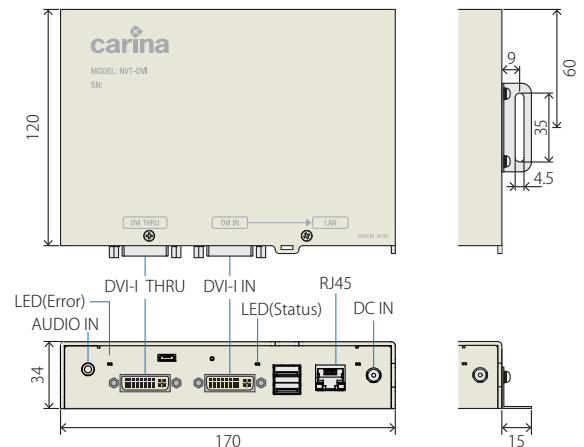
DVI Video Input	Format	1920×1080/59.94p/60p/50p, 1920×1080 59.94i/60i/50i, 1280×720 59.94p/60p/50p, NTSC(480i), PAL(576i) VESA Format *60Hz only 1920×1200, 1600×1200, 1680×1050, 1400×1050, 1366×768, 1360×768, 1280×1024, 1280×960, 1280×768, 1024×768, 848×480, 800×600, 640×480
	Terminal	DVI-I×1 *Exclusive use with Analog RGB, HDCP Unsupported
DVI Video Output (Through)	Standard	Active through output of DVI-D Input *Power ON, Analog to digital conversion is not possible
	Terminal	DVI-I×1 *Exclusive use with Analog RGB
Analog RGB Video input	Format	1920×1080/59.94p/60p/50p, 1920×1080 59.94i/60i/50i, 1280×720 59.94p/60p/50p, NTSC(480i), PAL(576i) VESA Format *60Hz only 1920×1200, 1600×1200, 1680×1050, 1400×1050, 1366×768, 1360×768, 1280×1024, 1280×960, 1280×768, 1024×768, 848×480, 800×600, 640×480
	Terminal	DVI-I×1 *Exclusive use with DVI digital
Analog RGB Output (Through)	Standard	Active through output of DVI-A Input *Power ON, Digital to analog conversion not possible
	Terminal	DVI-I x1 *Exclusive use with DVI digital
Audio Input Level		1Vrms(max)
Audio Input		3.5mm audio jack
Network I/F	Standard	10Base-T, 100Base-TX, 1000Base-T
	Terminal	RJ45 x1
USB		For function expansion
Micro-USB		For maintenance
Memory card slot		For maintenance *Memory card included
Encode Format	Video	Compression : H.264(Baseline Profile), MotionJPEG(Baseline) Resolution : (default profile) 1920×1080, 1280×720, 640×480, 640×360 (sub profile) 640×360, 320×240, 320×184
	Audio	AAC/G.711
Power supply		AC adapter : AC100V(50/60Hz) Input : DC12V
Power Consumption		<18W
Operational Temperature		5 - 40°C (without condensation)
Operating humidity		20 - 80% (without condensation)
Dimensions		170(W)×34(H)×120(D) mm
Weight		<510g

Product composition : NVT-DVI, AC adapter, Fixing bracket, Non-slip rubber, Manual / warranty card

Terminal / external dimensions



Terminal / external dimensions



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