



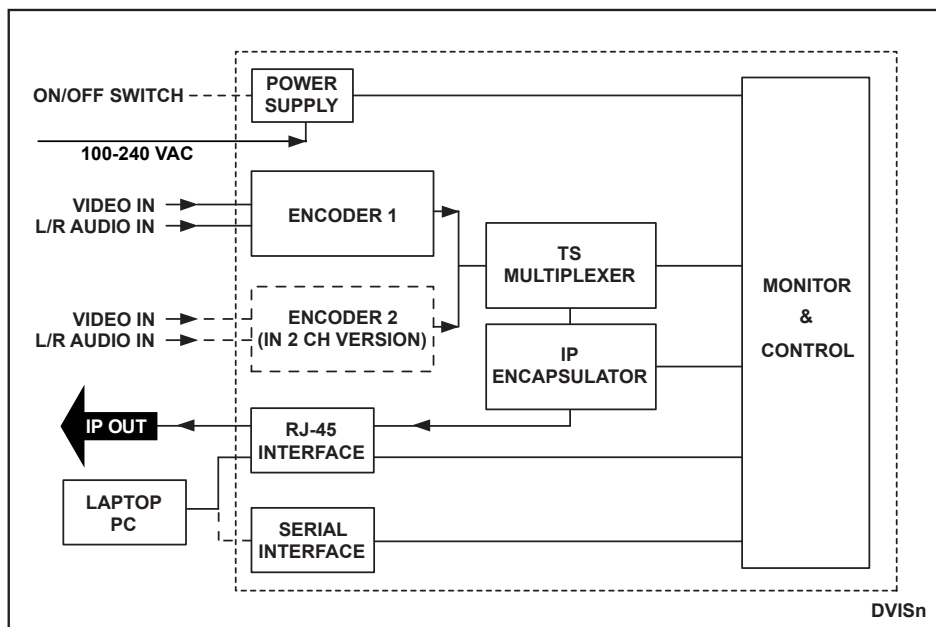
Nano-sized Digital Video Insertion System (DVISn) - IP Output:

Features:

- ▶ The Nano device is the most cost-effective solution within the DVIS line of products for inserting locally generated content (e.g. security camera, localized advertising) to an MDU in digital format (MPEG-2/IP)
- ▶ Ideal for applications requiring a low-cost, basic solution for IP distribution of locally generated content
- ▶ Extremely compact & wall mountable form factor fits into virtually any space
- ▶ Fully integrated audio/video encoders, multiplexer & IP encapsulator
- ▶ Available in 1 or 2-channel configurations (1 or 2 baseband CVBS inputs)
- ▶ Features support MPEG-2 encoding
- ▶ HTTP-based GUI allows for easy set-up & control using a standard web browser



Functional Schematic



Nano-sized Digital Video Insertion System (DVISn) - IP Output:

DVISn - IP Output Specifications

| PLATFORM SPECIFICATIONS | |
|--|---|
| CHASSIS OVERVIEW | |
| DIMENSIONS | 2.3"H x 8.8"W x 4.8"D (5.84H x 22.35W x 12.19D cm), Wall Mount |
| WEIGHT | 2.2 lbs (1.0 kg) |
| ENCODED PROGRAMS | 1 or 2 Programs into 1 IP Output |
| POWER SUPPLY | IEC Connector / 110-220 VAC, 50/60Hz |
| POWER CONSUMPTION | 25W Max. |
| DEVICE MANAGEMENT | HTTP over Ethernet Network Interface (RJ45); 10/100 Mbps |
| OPERATING TEMPERATURE | 0°C to +50°C (+32°F to +122°F) |
| HUMIDITY | 0-95% (without condensation) |
| TS MULTIPLEXER | |
| PACKET SIZE | 188 Bytes |
| TS SUPPORT | QBA, AF |
| PROGRAM NUMBER & TS NUMBER | User Settable (Program #: 1-65535; TS ID: 1-65535) |
| PSI / SI INFORMATION TABLE | PAT, PMT, SDT, NIT |
| SETTABLE PIDs | PMT, PCR (0x0021-0x1FFE; dec. 33-8190) |
| IP OUTPUT | |
| TRANSPORT LAYER | UDP, RTP |
| STREAMING PROTOCOL | Multicast, Unicast |
| ENCAPSULATION | 7 TS Packets per Ethernet Frame |
| TRANSMISSION | SPTS (1 Program), MPTS (2 Programs) |
| IP OUT INTERFACE | 1x RJ45 (10/100 Mbps) |
| ENCODER VIDEO SPECIFICATIONS | |
| INPUT | CVBS, NTSC/PAL |
| INPUT INTERFACE | 1x BNC, 75 Ω (x2 on Dual Channel Version) |
| ENCODING FORMAT | MPEG-2, 4:2:0, MP@ML |
| ENCODING BIT RATE TYPE | CBR/VBR |
| VIDEO ADJUSTMENTS | Brightness, Contrast, Saturation |
| VIDEO PROCESSING | TBC |
| SUPPORTED RESOLUTIONS | 704, 544, 528, 480, 352 x480 720, 704, 544, 528, 480, 352 x576 |
| FRAME RATE | 29.97, 25 fps |
| VIDEO ENCODING BIT RATE | 1000-8000 kbps |
| GOP STRUCTURE | IBBP - length 15 |
| VIDEO PID SETTING | 0x0021-0x1FFE; dec. 33-8190 |
| ENCODER AUDIO SPECIFICATIONS | |
| INPUT | Analog Unbalanced |
| INPUT INTERFACE | RCA (L/R) (x2 on Dual Channel Version) |
| ENCODING FORMAT ⁽¹⁾ | Dolby® Digital AC-3 ⁽¹⁾ , MPEG-1 Layer II |
| SAMPLING RATE | 48 kHz |
| ENCODING BIT RATES | 192 & 256 kbps |
| AUDIO PID SETTINGS | 0x0021-0x1FFE; dec. 33-8190 |
| NOTE: (1) Dolby is a registered trademark of Dolby Laboratories. Manufactured under license from Dolby Laboratories. | |

Ordering Information

| Part Number | Description |
|-------------|--|
| DVNANO1IP | Single Channel Encoder Nano Digital A/V Insertion Unit - IP Output |
| DVNANO2IP | Dual Channel Encoder Nano Digital A/V Insertion Unit - IP Output |
| DNFAN | Replacement/Spare Fan for DVISn |

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Specifications subject to change without notice.

