

Futrieval - Video Narrator

- High Performance Multiport H.264 Video Encoder

Futrieval – Video Narrator is a high performance video encoder that compresses analog videos into digital video streams for IP network distribution. Using state of the art H.264 technology, Video Narrator encodes videos into standard compliant H.264 streams, which saves up to 30% of storage and bandwidth requirements when compared with the MPEG-4 counterparts.

Apart from encoding videos into standard compliant H.264 format, Video Narrator also “narrates” the video streams with analytics metadata. The analytics metadata provides an abstraction of the events occurred within the scene, which can then be used to realize online video analytics applications, as well as offline video retrieval and business intelligence mining.

High Quality H.264 Encodings with Competitive Analytics Offering

Video Narrator encodes analog videos using in-house developed H.264 codec, which delivers customizable range of video quality profile to suit different operating scenarios. The codec is analytics-enabled in the sense that it not only encodes video but also perform just-in-time video analysis to derive analytics metadata that is suitable for object-oriented video indexing as well as robust video analytics. Optional analytics like traditional motion detection, trip-wire, object counting, object classification can be added on top of video encoding to deliver video analytics on the edge. Advanced server-side analytics, object-oriented video retrieval, and business intelligence mining are also made possible thanks to the just-in-time analytics metadata narration technology.

Key Features

- Highly performance codec that delivers DVD-quality encoded H.264 video streams
- 4CIF video encoding at 25 FPS (PAL) or 30 FPS (NTSC)
- Optional video analytics add-on
- Firmware upgradeable through network



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Technical Specification

NETWORK

| | |
|-----------|---|
| Interface | Ethernet 10/100Base-T |
| Connector | RJ-45 jack |
| Protocol | Transport: RTP/IP, UDP/IP, TCP/IP, or Multicast IP Others: DHCP Client |

VIDEO

| | |
|----------------------|--|
| Input | Up to 4 composite video inputs |
| Streaming Capability | Dual stream per channel |
| Connector | BNC female |
| Compression | Optimized H.264 baseline profile |
| Resolution | 704x576 pixels (PAL) & 704x480 pixels (NTSC) |
| Frame Rate | Aggregate 100 FPS (PAL) & 120 FPS (NTSC) |
| Bandwidth | Configurable up to 6Mbps per channel |

MANAGEMENT

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|------------------|---|
| Firmware Upgrade | Flash memory for upgrade of firmware over network |
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SERIAL PORT

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|------------------|-----------------|
| Connector RS-232 | RS-232 / RS-485 |
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ALARM & AUDIO

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|---------------------|---|
| Alarm Input /Output | 4 dry contact inputs / 1 relay contact output |
| Audio Input /Output | 4 inputs / 1 output |

POWER

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|--------------|----------------------------|
| Power Supply | AC 110/220V, Output 12V DC |
|--------------|----------------------------|

PHYSICAL

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|-----------------------|-----------------------|
| Enclosure | Metal chassis |
| Configuration | Standard, RMV |
| Size | Standard: 1U |
| Operating Temperature | 0°C – 50°C |
| Humidity | 10 – 80% non-condense |