

# Datavideo Product Compare

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modell-Nr                  | <b>iCAST 10NDI MKII</b>                                                                                                                                                                                                                                                                                                                                                      |
| Product                    | <b>4-Kanal All-in-One-Streaming-Umschalter</b>                                                                                                                                                                                                                                                                                                                               |
| Video Standard             | HD & SD                                                                                                                                                                                                                                                                                                                                                                      |
| Video Format               | Input:<br>1080p60/59.94/50,<br>1080p30/29.97/25/24/23.98<br>1080i60/59.94/50<br>720p60/59.94/50<br>480i59.94, 576i50<br><br>Output:<br>1080p60/59.94/50→1080p60/59.94/50<br>1080p30/29.97/25/24/23.98→1080p30/29.97/25/24/23.98<br>1080i60/59.94/50→1080p30/29.97/25<br>720p60/59.94/50→720p60/59.94/50<br>480i59.94, 576i50→480p29.97, 576p25<br>(not supporting interlace) |
| Video Processing           |                                                                                                                                                                                                                                                                                                                                                                              |
| Input Rutable / Crosspoint | N/A                                                                                                                                                                                                                                                                                                                                                                          |
| Video Input                | 1 x 3G/HD/SD-SDI (BNC 75 ohm)<br>4 x HDMI 1.4 (Channel 1 as SDI/HDMI selectable)<br>3 x RTSP/ SRT/ NDI   HX via IP Stream                                                                                                                                                                                                                                                    |
| Mix HD & SD Source         | Yes                                                                                                                                                                                                                                                                                                                                                                          |

|                                    |                                                                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Computer Graphic Interface         | 4 via HDMI                                                                                                                                                                    |
| Video Output                       | 1 x 3G/HD/SD-SDI loop-through<br>1 x HDMI 1.4<br>1 x HDMI 1.4 (Multiview)<br>1 X USB3.0 (UVC)<br>2 x RJ-45 female (10/100/1000M Ethernet) (LAN & WAN)                         |
| Down-converted Output              | 1080p output                                                                                                                                                                  |
| Built-in Multi-view Monitoring Out | HDMI x1                                                                                                                                                                       |
| Analogue Audio Input               | XLR Balanced audio x2<br>RCA Unbalanced audio x 1 pair<br>SDI embedded audio<br>HDMI embedded audio<br>IP Audio (RTSP AAC-ADTS, PCM)<br>(External and embedded audio mixable) |
| Analogue Audio Output              | 3.5mm x1 (headphone, PGM audio monitoring)                                                                                                                                    |
| Digital Embedded Audio Support     |                                                                                                                                                                               |
| Audio Delay Calibration            | Each channel delay time: 0-3000ms                                                                                                                                             |
| A+V Switching                      |                                                                                                                                                                               |
| Chromakey                          | N/A                                                                                                                                                                           |
| Title Creator                      | Web GUI                                                                                                                                                                       |
| USK                                | N/A                                                                                                                                                                           |
| DSK                                | N/A                                                                                                                                                                           |

|                         |                                                                                    |
|-------------------------|------------------------------------------------------------------------------------|
| Picture in Picture      | Yes (PGM)                                                                          |
| Logo Insertion          | Yes                                                                                |
| Still Store             | N/A                                                                                |
| Effects                 | Cut                                                                                |
| Transition Preview      | N/A                                                                                |
| Sync / Reference In/Out | N/A                                                                                |
| Tally Output            | N/A                                                                                |
| PC Remote Control       | Web UI for system configuration and control<br>Serial Port Control: RS-232 (RJ-45) |
| Camera Control          | N/A                                                                                |
| Built-in Audio Mixer    | Yes                                                                                |
| Storage                 | SATA (6Gb/s)                                                                       |
| Recording File System   | FAT, exFAT                                                                         |
| Recording File Format   | MP4                                                                                |
| Video Encode            | H.264                                                                              |
| Audio Encode            | AAC-LC<br>Sample rate: 48KHz, 16bit<br>Configurable bit rate: 128K or 256K or 384K |

|                       |                                                                                                                                                                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Streaming Protocol    | DHCP client<br>TS over UDP (unicast & multicast)<br>RTSP over HTTP/TCP/UDP<br>RTMP (Publish)/RTMPS<br>HLS<br>SRT Caller and Listener<br>Web RTC (encode/decode)<br>NDI   Hx                                                                                       |
| Firmware Update       | Web UI (network)<br>USB 3.0 (phase 2)                                                                                                                                                                                                                             |
| Special Features      | Vertical video: crop or rotate<br>Vertical video Multiview                                                                                                                                                                                                        |
| Chassis               | 1U rack mount                                                                                                                                                                                                                                                     |
| Dimension (LxWxH)     | 440x284x44 w/o rack mount ear<br>484x284x44 w/ rack mount ear                                                                                                                                                                                                     |
| Weight                | 2.926KG                                                                                                                                                                                                                                                           |
| Power                 | DC 12V 2A 24W                                                                                                                                                                                                                                                     |
| Operating Temp. Range | 0°C to 40°C (32°F to 122°F)                                                                                                                                                                                                                                       |
| What's in the Box     | 1 x iCast 10NDI MKII main unit<br>1 x DC 12V Power Adaptor<br>2 x 1U Rack Mount Ear<br>6 x M4 Screws for Rack Mount Ear<br>1 x 2.5" Removable HDD/SSD Enclosure<br>4 x Screws for 2.5 Removable HDD/SSD Enclosure<br>1 x Blank Label<br>1 x SATA to USB 3.0 Cable |