

# NXL-IP55

IP Live Production Unit

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## Next-generation IP Network Technology Ushers In a New Era of Live Multi-camera Production

Sony proudly introduces a powerful IT solution for HD live production with the NXL-IP55 IP Live Production Unit, designed to alleviate users from the cumbersome task of arranging a multitude of cables between two locations.

For use in multiple-camera live productions, the NXL-IP55 allows you to transmit up to four video streams (three downstream and one upstream, or two downstream and two upstream) in less than one field delay time, even over a local area network (LAN).

As well as video and audio signals, the NXL-IP55 transmits all essential signals such as tally, GPIO, intercom and even genlock signals through a single LAN cable. In this way, the NXL-IP55 achieves a never-seen-before IP live production system that provides far greater flexibility for professional live operation.

# Live Production Made Simple with Widely Used IP Technology

Sony is taking live production into a new era with the all-new NXL-IP55.

## Broadcast Quality

The NXL-IP55 utilizes Sony's unique technologies so that multi-channel video and audio can be transmitted via a 1-Gbps link, ensuring broadcast-quality video and audio with very low latency of less than one field (1/2 frame)\* of video signals.

\* It depends on the network condition.

## Multiple Inputs & Outputs

This new system can handle up to four HD-SDI video sources (three downstream and one upstream, or two downstream and two upstream) with a maximum of 10 (eight upstream, two downstream) audio channels, including intercom. In addition to these essential signals, the NXL-IP55 also transports tally and GPIO (General Purpose Input and Output) signals on the same link. The NXL-IP55 also has a genlock function, which allows all of the video sources to be synchronized over an IP network.

## Flexibility

By utilizing standard IP technology, the remote production environment can be drastically simplified compared to a conventional system with coaxial cables. Another advantage of using IP technology is flexibility. The NXL-IP55 can transmit all signals over a LAN infrastructure, enabling signals to be transmitted miles away. Also, the compact design of the NXL-IP55 helps you to take live production capabilities everywhere you need.

The NXL-IP55 provides powerful functions to simplify your production.

IP Transmission

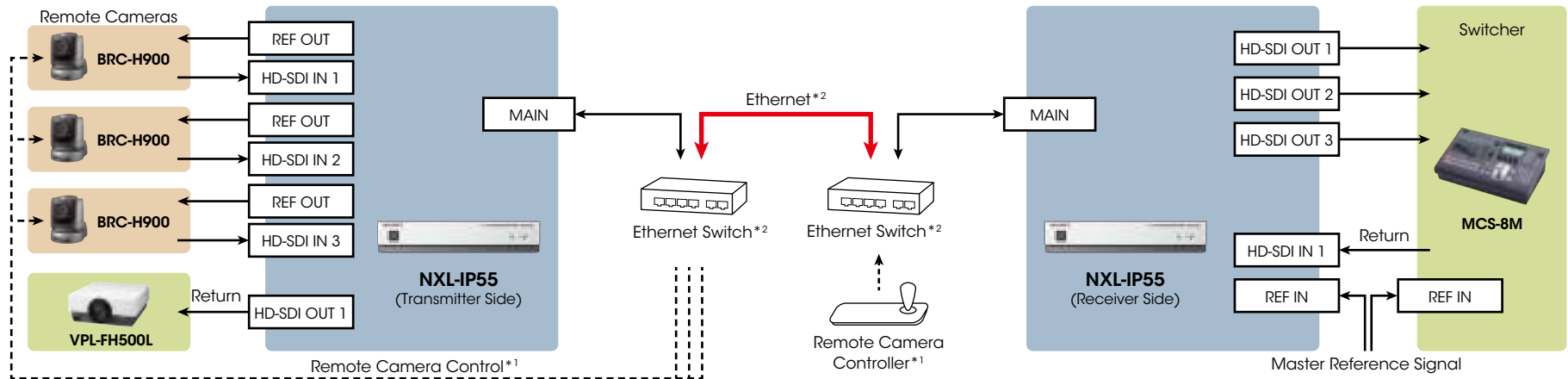


## KEY FEATURES

### Available signals:

- Up to four HD-SDI channels (three downstream and one upstream, or two downstream and two upstream signals)
- Up to ten channels of audio + intercom (up to eight upstream signals)
- Tally signal: three red tally signals and three green signals; direction of transition can be selected by color
- GPIO: eight channels; direction of transition can be selected by each four-channel

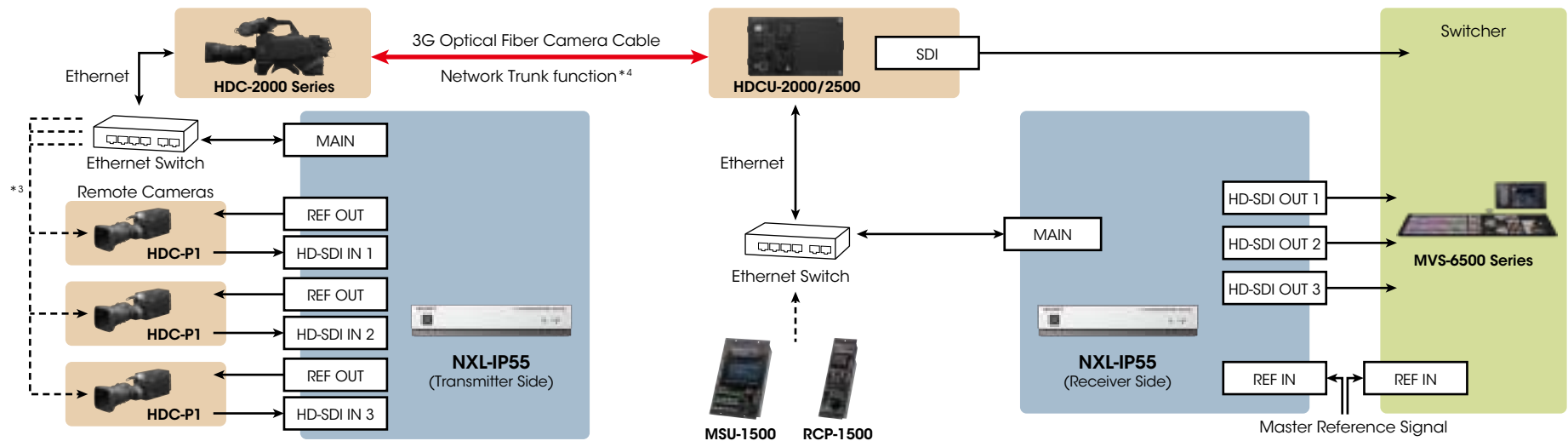
### Configuration Example: 3+1 Mode



\*1 Control of remote cameras over an IP cable will be available in 2012.

\*2 An optical fiber cable can be used for long-distance transmission when Ethernet switches are configured in the system.

### Configuration Example: Combination with HDC-2000 Series' Network Trunk function



\*3 Control of remote cameras over an IP cable will be available in 2012.

\*4 Network Trunk is a function of HDC/HDCU-2000 Series to transmit up to 1 Gbps IP data between a camera and a CCU.

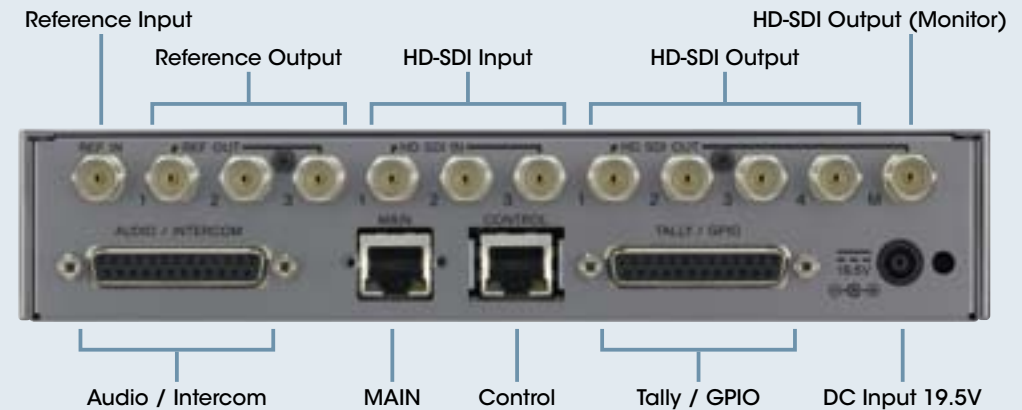
## SPECIFICATIONS

NXL-IP55	
<b>General</b>	
Power requirements	DC 19.5 V / 2.2 A
Operating temperature	5°C to 40°C (41°F to 104°F)
Storage temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions (W x H x D)	214 x 42.2 x 313 mm (8 2/5 x 1 3/5 x 12 1/3 inches, 1U rack-mount size)
Mass	2.5 kg (5 lb 8.2 oz)
Supporting format	1920 x 1080/59.94i, 50i, 1280 x 720/59.94p, 50p
<b>Input / Output</b>	
Reference input	BNC (x1) HD: Tri-level sync, 0.6 Vp-p, 75Ω SD: Sync (NTSC: 0.286 Vp-p, 75Ω / PAL: 0.3 Vp-p, 75Ω)
HD-SDI input	BNC (x3) SMPTE 292M
Reference output	BNC (x3) HD: Tri-level sync, 0.6 Vp-p, 75Ω SD: Sync (NTSC: 0.286 Vp-p, 75Ω / PAL: 0.3 Vp-p, 75Ω)
HD-SDI output	BNC (x5) SMPTE 292M
Audio / Intercom	D-sub 25-pin (x1) Audio: Line level, Max. 6ch Input or Output Intercom: 4 W or 2 W
Tally / GPIO	D-sub 25-pin (x1) Tally: Red x 3 and Green x 3, 12 V or contact GPIO: 8ch (Tx or Rx at each 4ch)
Main	RJ-45 (x1) 1000BASE-T for signal transmission
Control	RJ-45 (x1) 100BASE-TX / 10BASE-T for setting up NXL-IP55
DC input	19.5 V
<b>Supplied accessories</b>	
Operating Instructions, Power Plug Clamp, AC Adaptor	

### Front panel



### Rear panel



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The NXL-IP55 is produced at Sony EMCS Corporation's Tokai Technology Center, which has received ISO14001, the Environmental Management System certification.







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IP LIVE PRODUCTION UNIT NXL-IP55

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