

Infinipix® NP100

Image processor for LED displays



- **Processes and transmits connected video sources**
- **Manages one or more connected display(s)**

The Infinipix® NP100 processor is the next generation in LED display processors. It ensures processing and transmission of connected video sources and manages one or more connected display(s) – comprising a number of Infinifix™ transceiver cards. The NP100 is controlled via the Infinipix® NM100 manager.

Product specifications

INFINIPIX® NP100

General specifications

3D sync	<ul style="list-style-type: none">Currently not supported
Remote control	2x Ethernet: RJ-45 connectors, running 1GbE used as control protocol link to a separate Infinipix™ Manager (NM100) for centralized management of multi-device Infinipix™ Processors (NP100) and one or more Displays.
Outputs	<p>2x Ethernet (ULP) Modular Display Outputs:</p> <ul style="list-style-type: none">RJ-45 connectors, running 1GbEUses 1000Base-T Cat 5E or Cat 6 cable with a maximum length of 100m (328 ft.). <p>2x Ethernet (SFP) Modular Display Outputs:</p> <ul style="list-style-type: none">SFP+ cages supporting 1GbE or 10GbE SFP+ modulesUses 1000Base-T: using Cat 5E or Cat 6 cable with matching SFP+ module with a maximum length of 100m (328 ft.).Uses 1000Base-SX: using multi mode fiber of type OM2 of maximum 220m (721 ft.) or OM3 (Recommended) of maximum 500m (1640 ft.) with matching SFP+ module.Uses 10GBase-SR: using multi mode fiber of type OM3 with a maximum distance of 300m (984 ft.) <p>Using 1GbE and 10GbE outputs at the same time on one device is not supported</p>
Dimensions WxDxH	216 x 286 x 70 mm (8.5 x 11.25 x 2.75 in)
Video inputs	<p>1x HDMI (type A) Input:</p> <ul style="list-style-type: none">Formats RGB 4:4:4 and YCbCr 4:2:2 and 4:4:4; resolutions up to 2,560x1,600 @60Hz to a maximum pixel rate of 268MHz (Please consult your modular display hardware specification for its maximum supported input frequency which may be less than what is supported by the NP100 Infinipix Processor).Supports input bit depth of up to 12 bits per color channelPerforms image processing at minimum of 12bits per color channelOther video formats supported: Single-link DVI digital sources using a DVI to HDMI passive cable converter* / DisplayPort sources using a DisplayPort to HDMI active cable converter* / VGA sources using VGA to HDMI active cable converter* / Composite, Component, S-Video sources using active cable converter* to HDMI. *: none of the cable converters are shipped with the product.EDID version 1.3 compatibleNot supported: CECBoth progressive and interlaced sources are supported <p>1x 3G SDI Input:</p> <ul style="list-style-type: none">75 ohm BNC connector, supporting formats SD-SDI per SMPTE 259M-C (NTSC/PAL resolution); HD-SDI per SMPTE 292M, 296M; and 3G-SDI per SMPTE 425MDual link HD-SDI (pair SMPTE 292 links) by SMPTE 372M NOT supported
Video loop outputs	<ul style="list-style-type: none">1x HDMI Loop Output: type A connector; HDMI input signals reproduced on HDMI Loop Output limited to a maximum pixel rate of 225MHz1x 3G SDI Loop Output: 75 ohm BNC connector; SDI input signals reproduced through SDI Loop outputHDCP is not supported on loop outVideo loop outputs are intended primarily for troubleshooting purposes
Weight	2.72 kg (6 lbs)
Enclosure	metal
Separate enclosure	<p>rack shelf for side-by-side Infinipix™ Manager (NM100) and Infinipix™ Processor (NP100)</p> <ul style="list-style-type: none">Width: 19" rackHeight: 2RUType: Metal
Environmental temperature	Operational: 0-40° Celsius (32-104° F)
Environmental humidity	Operational: 10-85%, non-condensing
Power Type	100-240 VAC, 1.5A -50/60Hz
Power consumption	60 Watt
Standards	FCC: Part 15, Subpart B Section 15.107 & 15.109, Class A; CE: CISPR 24/ EN 55024, CISPR 22/ EN 55022 Level A, EN 61000-3-2 with A1, A2 2006 (only if 75W or above), IEC/EN/UL 60950-1, c-UL CSA C22.2 60950-1; ICES-003 Class A v4
Certifications	CE, ETL, RoHS, China RoHS, WEEE
Warranty	Full three-year parts and labor warranty

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