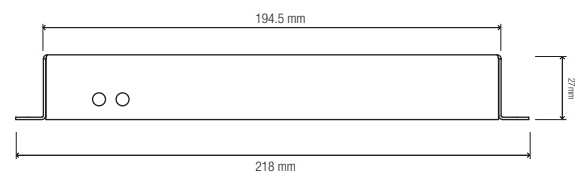
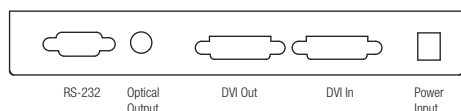


IntelLink Full HD Transmitter

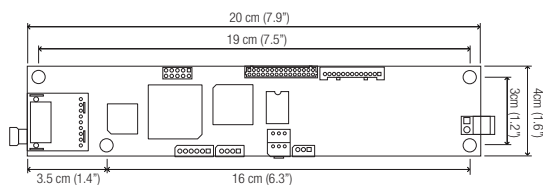


Product dimensions

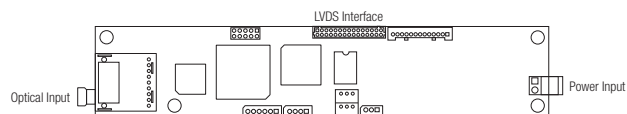


Signal input / output

IntelLink Full HD Receiver Board



Product dimensions



Signal input/output

If you want to interface our receiver board with your special TFT-LCD panel or need to redesign the PCB to fit your display hardware, contact our technical support specialist.

America Region

Intellian Technologies USA, Inc.
 Contact
 Hours: 9AM - 6PM PST, Monday - Friday
 Technical Support Specialist : Darren Andrews
 Email: darren.andrews@intelliantech.com
 Toll Free: +1 888-201-9223

EMEA & APAC Region

Intellian Technologies, Inc.
 Contact
 Hours: 9:00 AM - 6:00 PM GMT + 9, Monday - Friday
 Technical Support Specialist : Daejong Kang
 Email: elfberry@intelliantech.com
 Tel: +82 31-436-1581

Transmitter

Video	Specifications
Number / Type	1 DVI input, Loop through DVI output x 1
Maximum Resolution	1920 x 1080 @ 60Hz
Color Depth	24bits (4:2:2 Sub-Sampling at Transmitting)

Optical	Specifications
Number / Type	1 fiber optic
Connector	1 ST connector
Operating distance	2km
Normal peak wavelength	Uplink 1310nm, Downlink 1550nm
Transmission Power	0 dBm, typical
Receiver Sensitivity	-25 dBm, maximum

Remote Control Description	Specifications
Serial Control	RS-232 Port
Baud rate	9600

LED Indicators	Specifications
Power	RED: Power on.
	OFF: Power off
Status	Green: Active
	OFF: No DVI Input Signal

Physical	Specifications
Dimension	218 mm x 105.5 mm x 28mm
Weight	0.75kg

System	Specifications
Power Consumption	5W, Maximum
Input Voltage	DC Input (12V)
Operating Temperature	0 ~ 50°C

Receiver Board

Video	Specifications
Number / Type	LVDS Interface
Maximum Resolution	1920 x 1080 @ 60Hz
Color Depth	24bits

Optical	Specifications
Number / Type	1 fiber optic
Connector	1 ST connector
Operating distance	2km
Normal peak wavelength	Uplink 1550nm, Downlink 1310nm
Transmission Power	0 dBm, typical
Receiver Sensitivity	-25 dBm, maximum

Physical	Specifications
Dimension	40 mm x 200 mm (This dimension can be changeable as request of buyer)

System	Specifications
Power Consumption	5W, Maximum (exclude TFT-LCD)
Input Voltage	DC Input (24V)
Operating Temperature	0 ~ 50°C



IntelLink™

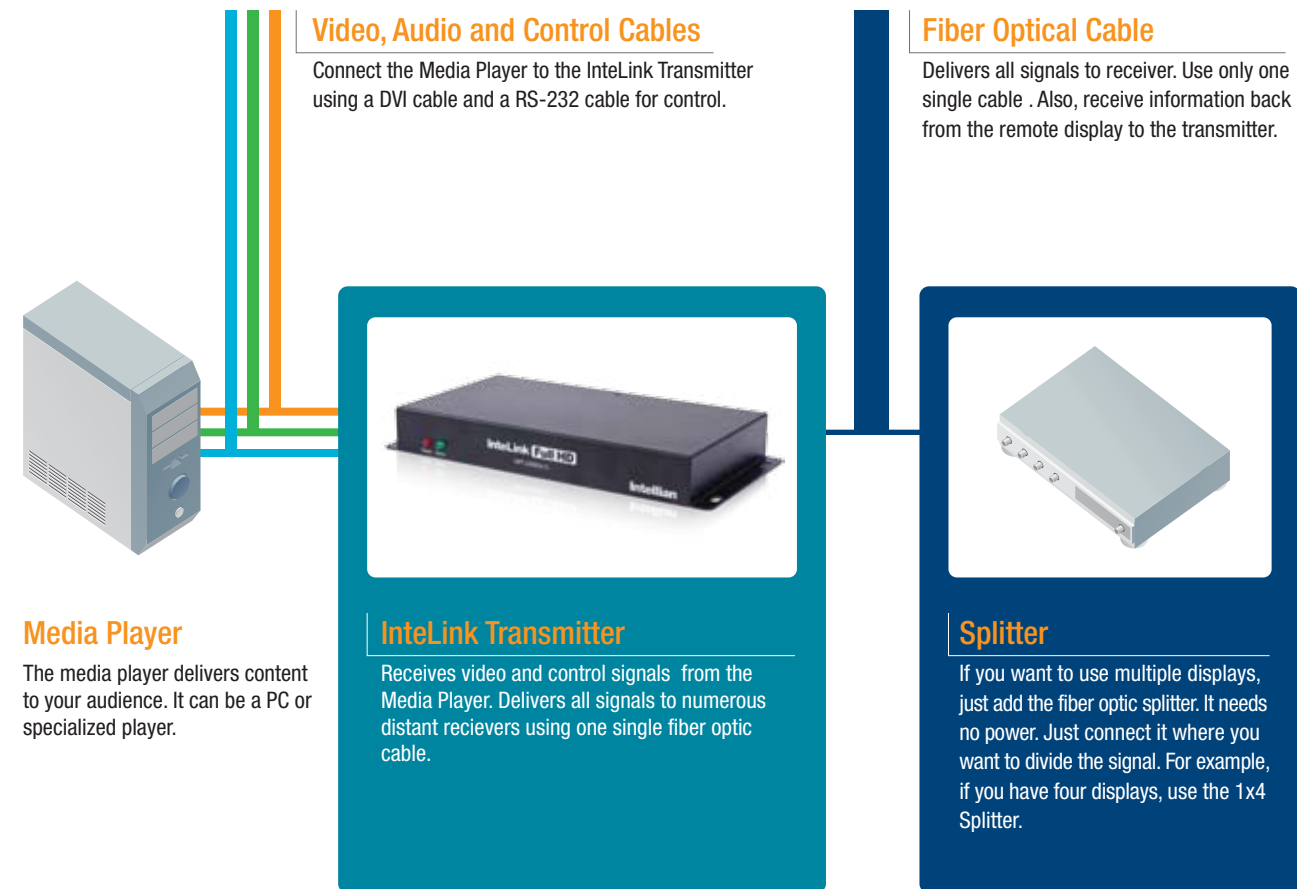
Fiber Optical Media Distribution System

IntelLink™ is a professional and versatile media device for transmitting diversified formats of video and audio signals to distant screens without compromising the original quality of media. IntelLink™ delivers a Full HD resolution signal through a single fiber optic cable up to 2 kilometers or further. It can distribute up to 64 multiple display arrays.

- Fiber Optical Communication Technology
- Digital Media Distribution & Extension
- Full HD Transmitting Solution
- One Single Cable Solution

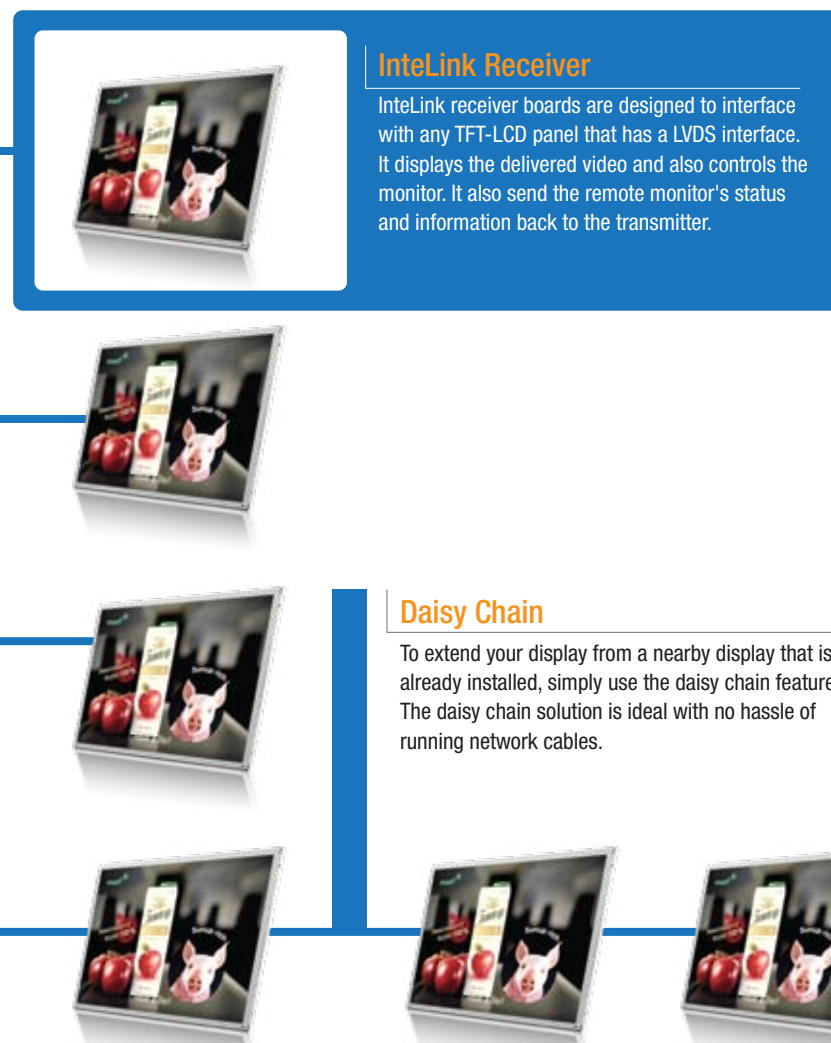
Extend Your Signage Networks with Intellian

IntelLink™ is a perfect Full HD media distribution/extension solution for your digital signage. IntelLink use fiber optic cable to deliver your media to numerous distance audiences. It is immune to noise and interference, and the digital signal transmission is lossless. And IntelLink does all these things using only one single fiber optic cable.



Media Player
The media player delivers content to your audience. It can be a PC or specialized player.

IntelLink™ is an ideal solution for systems where high resolution and high quality video signals need to be displayed over long distances. Typical applications include public information displays in elevators, trains, subways, airports, shopping malls, museums, or hotels.



Features

Distribution over Fiber

IntelLink™ is a complete fiber optical distribution system, which brings digital signage networks high-quality performance and secure reliability, without boundaries.

One-Stop Installation and Cost-Effective Advantage

IntelLink™ offers a fully integrated system that includes both hardware and software. It allows you to easily customize your digital signage network without extra expense for separate hardware and software.

Support up to Full HD Screen

IntelLink™ supports transmitting an SD, HD and Full HD video signal. It will expand the possibilities of an Full HD Digital Signage Network like you've never dreamt of. The IntelLink™ Receiver Board can interface with any TFT-LCD Panel having Full HD Resolution (1920 x 1080).

Daisy Chain Function

IntelLink™ also offers an optional daisy chain solution. When the monitors need to be connected over long distances, the daisy chain solution is ideal with no hassle of running network cables. A single cable will be installed in between display monitors without distance limitation and signal loss.

Remote Control Function

The IntelLink™ transmitter offers a "on" and "off" function on remotely installed displays. When a transmitter is connected with a media player via RS-232, the media player remotely turns each display on or off and controls the volume and receives each display's status.

Powerful Optical Output & Reliable Sensitivity

The integrated optical devices are optimized for transmitting video signals. The optical power of the IntelLink™ Transmitter is measured at 0dBm and sensitivity on receiver is measured at -25dBm. The optical budget of the IntelLink™ transmitter is 25dBm, which means that one transmitter can be connected to as many as 64 receivers (theoretically 128 displays) and maintain an Full HD video signal.

Product Category

Part #	Full HD Solution				HD Solution				XGA Solution			
	Transmitter		Receiver Board		Transmitter		Receiver Board		Transmitter		Receiver Board	
Model No.	OPT-250DVI-S	OPT-250DVI-D	OPR-XX*FLVDS-S	OPR-XX*FLVDS-D	OPT-150DVI-S	OPT-150DVI-D	OPR-XX*HLVDS-S	OPR-XX*FLVDS-D	OPT-100DVI-S	OPT-100DVI-D	OPR-XX*LVDS-S	OPR-XX*LVDS-D
Supported Resolution	1920 x 1080				1360 x 768				1024 x 768			
RS-232 Communication	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Optical Connector Type**	ST	ST	ST	ST	ST	ST	ST	ST	FC	FC	FC	FC
Optical Bandwidth	2.5Gbps	2.5Gbps	2.5Gbps	2.5Gbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps
Video Interface	DVI	DVI	LVDS	LVDS	DVI	LVDS	LVDS	LVDS	DVI	DVI	LVDS	LVDS
Display Size	22", 37", 40", 42", 46", 52", 72" and all other Full HD supported size				22", 26", 32", 37", 40", 42", 47" and all other HD supported size				12.1", 15", 17", 19" and all other XGA supported size			

* XX is size of the TFT-LCD panel

** Optical connector type can be changeable.