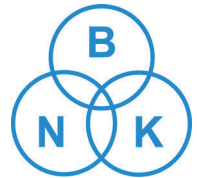


# Obonok Technologies



*Blu-Eye™*

## T1-3D / R1-3D

HIGH-BANDWIDTH / 3D-READY  
HDMI TRANSMITTER/RECEIVER PAIR

*Enabling High Definition—Everywhere!*

### Features

- Extends 3D or 1080p/60Hz video, plus HD audio, plus control signal over a single CatX cable
- Industry-leading 10.2 Gb/sec bandwidth for high-end HDMI applications
- 100m range at 1080p / 60Hz / 48 bits & 3D
- HDMI v1.3 / HDCP compliant
- Bi-directional IR and RS-232



Obonok Technologies, manufacturers of the Blu-Wire Series of HDMI-over-CatX and/or optical fiber products, now offers the best-performing HDMI-over-CatX transceiver pair in the Professional AV industry, the Blu-Eye T1-3D Transmitter & R1-3D Receiver. Applications include retail HDTV display, digital signage and conferencing, plus leading-edge residential applications. The most demanding HD video, including 1080p @ 60Hz @ 48 bits, plus HD audio, can now be extended over cost-effective CatX / UTP network cable, up to 100m (330 ft.), WITHOUT COMPRESSION. With integrated, bi-directional IR and RS-232 capability (IR emitters/detectors included), the Blu-Eye T1-R1 3D transceivers deliver when other extenders, boosters and HDMI cables simply are not capable. Compatible with many high-quality category cable types, including Cat5e, Cat6, Cat6a, Cat7 - plus UTP, STP or FTP, making it adaptable to both legacy cable and new installations. Although it uses network cable, the advantage being its low cost, the installation is totally independent of your data network, so there's no issue with AV vs. data interaction. Contact Obonok today!

### Obonok Technologies

16192 Coastal Highway  
Lewes, DE 19958

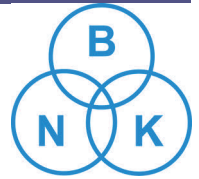
Phone: 512-299-8424

Website: [www.obonok.com](http://www.obonok.com)

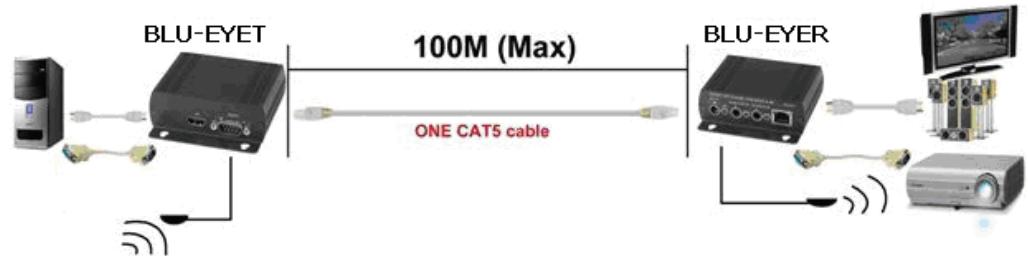
E-mail: [sales@obonok.com](mailto:sales@obonok.com)

3D-ready, HDMI +  
Control Transmitter-  
Receiver Pair

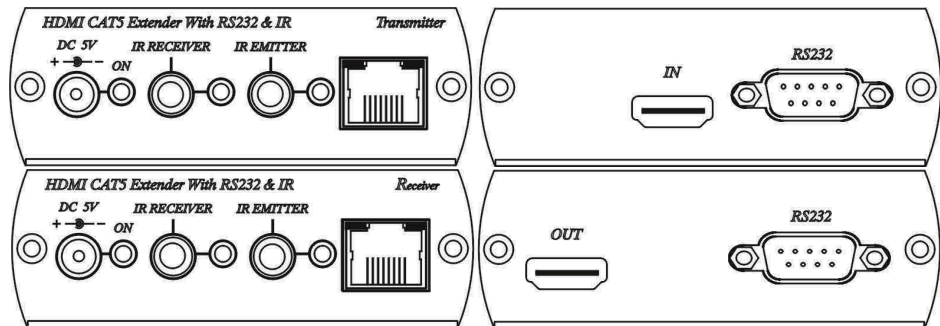
**Blu-Eye** T1-3D and  
R1-3D



## Application Example



## Connections



## Specifications

ITEM	BLU-EYET	BLU-EYER
Resolution	Up to 1080p / 60Hz / 48 bit	
Distance	100M (Max)	
HDMI Connector	Type A	
RS-232 Baud Rate	Up to 115200 bps / Full Duplex	
RS-232 Connector	DB9 Female	DB9 Male
IR Carrier	38Khz / $\pm 10^\circ$ / 5M / 2 Way	
Power Supply	Regulated 5V / 2A	
Power Consumption	600mA (Max)	1200mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C	
Humidity	Up to 95%	
Dimensions	130 x 88 x 30 (mm)	
Weight	280 g	280 g

### LED Indications:

GREEN = Power

BLUE = IR Receive

RED = IR Transmit

RJ-45 GREEN = Link

