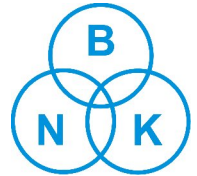


# Obonok Technologies



## *Blu-Wire*<sup>™</sup> RD3-XP EXTRA PERFORMANCE

**1x3 HDMI Transceiver  
with Auto. Skew Compensation**

***Enabling High Definition—Everywhere!***

### Features

- Extends / distributes HDMI v1.3 / 1.2 + HDCP over single UTP (CatX)
- Three HDMI outputs ⇒ three HDTV's handled by one transceiver
- RJ-45 loop-through for daisy-chaining to downstream receivers
- HDMI extension to 200' / 61m, or 2000' / 610m via daisy-chain receivers
- Auto. Skew Compensation + Auto. EQ for maximum adaptability / ease-of-use



Obonok Technologies designs, develops and produces the Blu-Wire<sup>™</sup> Series, the world's leading technology for HDMI signal distribution over category UTP cable. The Blu-Wire RD3-XP Transceiver provides an installer-friendly method of distributing HDMI plus HDCP signals to up to three HDTV's, and extending the signals to downstream receivers, over cost-effective UTP (unshielded twisted pair) cable. Blu-Wire Series transmitters, transceivers, receivers and splitters can be combined to distribute HDMI to hundreds of HDTV's!

Obonok's Blu-Wire Series is the only HDMI extension product line featuring multi-output transmitters, up to 2,000-ft. / 610m total range via daisy-chain multi-output receivers, NO adjustments for ease of installation and maintenance, and full 1080p + HDCP performance over SINGLE UTP CatX cable. Applications include retail HDTV display, digital signage and conferencing.

### Obonok Technologies

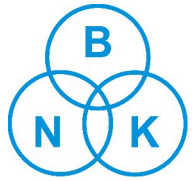
16192 Coastal Highway  
Lewes, DE 19958

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

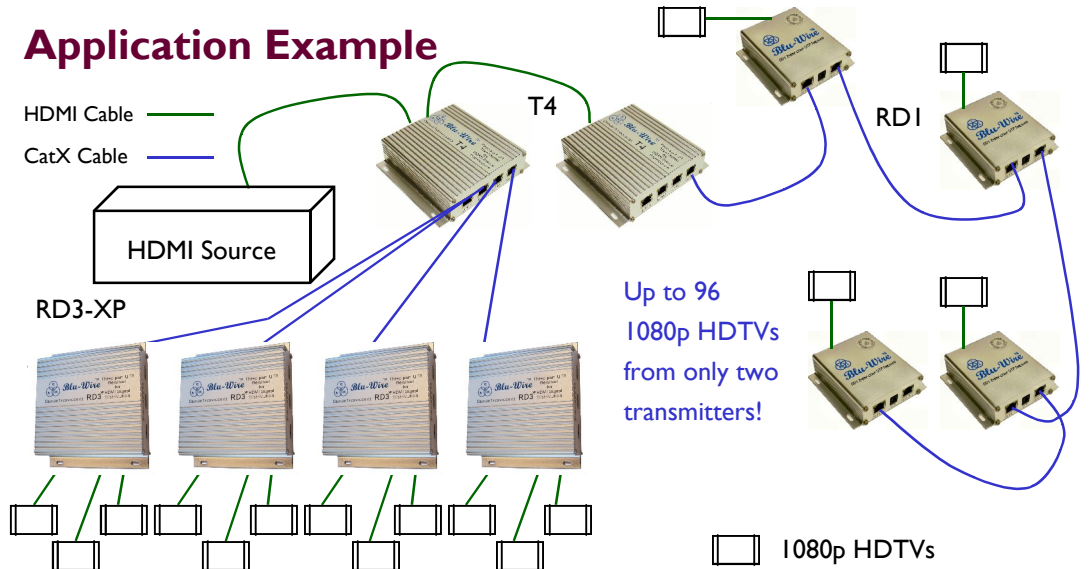
E-mail: [sales@obonok.com](mailto:sales@obonok.com)

# Blu-Wire™ RD3-XP



1x3 HDMI Transceiver / Receiver

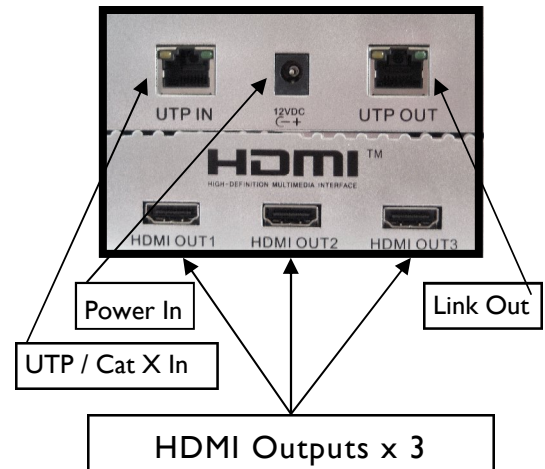
## Application Example



## Specifications

- Total Bandwidth: up to 6.6 Gbps
- Maximum Resolution: 1080p / 1920 x 1200
- Maximum Distance (from transmitter or prior receiver in daisy-chain): 200 ft. / 61m @ 1080i  
150 ft. / 46m @ 1080p
- HDMI Connectors (3): Type A 19-pin F
- Link Connectors (1): RJ-45 F
- Power Supply: 12V DC (incl. — needed only for every 3rd receiver in a daisy-chain)
- Power Consumption: 6 Watts (max.)
- Operating Temperature: -15C to 50C
- Storage Temperature: -40C to 85C
- HDMI Specifications Supported: v1.1, 1.2 & 1.3
- HDCP Compliant
- Cable Compatibility: Solid, bonded Cat5e/6/7 (Cat6 or Cat7 required for 1080p applications)
- Gain / EQ / Skew Compensation: Automatic; adjustment-free

## Connections



- Dimensions: 128mm L x 118mm W (not including mount wings) x 36mm H
- Patents Pending: U.S. 60956694 and 60968046

## Recommended UTP Cables

- Belden Home Choice 2510 Cat6
- Shaxon UL725-8 Cat6
- Belden 7988R Cat5e
- Solid, bonded Cat6 highly recommended for 1080p applications
- Not recommended: stranded cable, "soft" network jump cables

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