



XtendView
Signal Distribution System

Computer / video / audio

Up to 1920 x 1440 pixel resolution

1500 foot range

Audio

Regenerated sync

Cable skew compensation

Distance compensation

Point-to-point

Point-to-multipoint

Switched distribution

TWISTED PAIR (CAT 5) SIGNAL DISTRIBUTION SYSTEM

HIGH RESOLUTION GRAPHICS AND VIDEO SIGNALS

The XtendView™ system transmits high resolution RGB analog and video signals for distances up to 1500 feet using low cost CAT 5 or other Unshielded Twisted Pair (UTP) cable. The XtendView system supports longer cable lengths than coaxial cable or other CAT 5 systems.

The XtendView system consists of a complete line of components:

- Universal signal transmitter
- Standard receivers for cable lengths up to 500 ft.
- Extended range receivers for cable lengths up to 1500 ft.
- 8 x 8 and 16 x 16 matrix switchers

State of the art technology delivers the highest quality signal transmission in the industry, with distance compensation, cable skew compensation and regenerated sync.

The compact XtendView transmitter supports RGB, HDTV, YUV, composite video or S-Video inputs and different cable types and lengths. The receivers are field configurable for cable lengths up to 1500 ft., and include features and performance characteristics putting them in a class by themselves:

- Integral equalizer - compensates for high frequency loss in long cables
- Cable skew compensator - compensates for differential timing between signal components
- Re-generated sync - avoids deterioration in sync stability with long cables
- Multi-drop capability - view single output in multiple separate locations

The XtendView system is designed to be used with inexpensive CAT 5 cable; with internal skew compensation it can also support other types of UTP cable, such as CAT 5e or CAT 6.

For additional flexibility the XtendView line includes matrix switchers. The XtendView 8 x 8 accepts up to eight UTP inputs and can switch any input to any of the eight UTP outputs. The XtendView 16 x 16 accepts up to sixteen UTP inputs and can switch any input to any of the sixteen UTP outputs. Both support front panel or remote control and are non-blocking switchers allowing the maximum flexibility in selecting signals.

RGB SPECTRUM®
a visual
communications
company™



A CAT 5 SIGNAL DISTRIBUTION SYSTEM LIKE NO OTHER
Longest Range • Highest Quality • Most Complete Line • Field Configurable

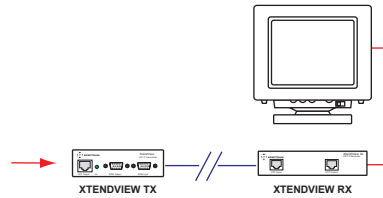
Systems Connections

The **XtendView** family of signal distribution products can be used in a variety of configurations, point-to-point, point-to-multipoint and switched multipoint-to-multipoint.

Built-in adjustment capability produces excellent results with cable lengths up to 1500 ft., and with resolutions up to 1920 x 1440.

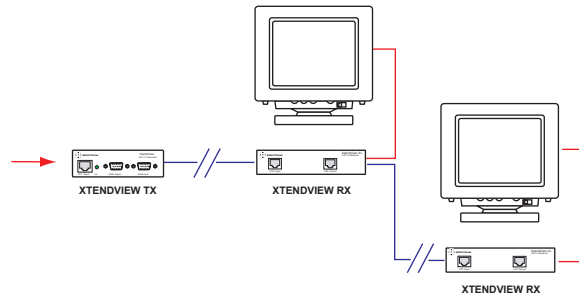
Point-to-Point Distribution

A point-to-point distribution system can be made by an **XtendView Transmitter** connecting via UTP cable to an **XtendView Receiver**.



Point-to-Multipoint Distribution

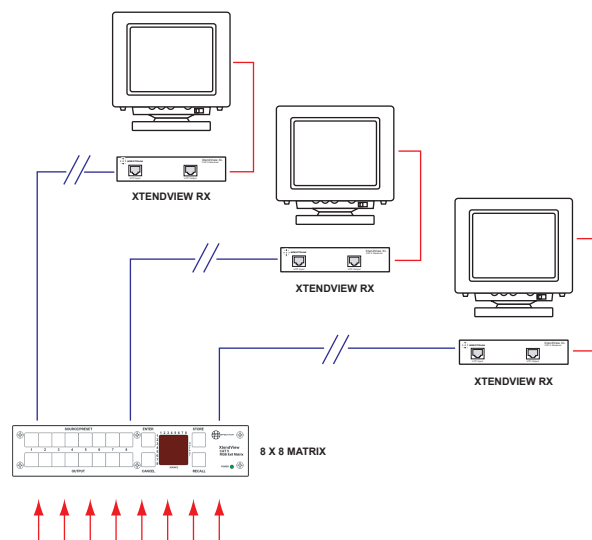
A point-to-multipoint distribution system can be made by a single **XtendView Transmitter** connecting via UTP cable to multiple, daisy-chained **XtendView Receivers**.



Switched Distribution

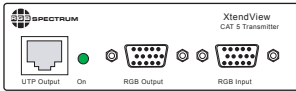
The **XtendView 8 x 8 Matrix** provides a means to send up to 8 signals to up to 8 destinations. The total cable length for each output can be up to 1500 ft.

The **XtendView 16 x 16 Matrix** offers twice the capability.



Specifications

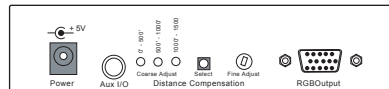
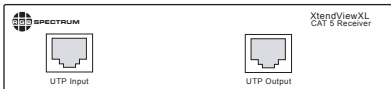
XtendView Transmitter



Model TX

Input	RGB, YUV, HDTV, composite / S-Video
Sync T type	3, 4 or 5 wire sync (RGsB, RGBS, RGBHV)
Resolution	From 640 x 480 to 1920 x 1440
Power Requirements	5V DC @ 0.5A max, 2.5 mm sub miniature jack connector
Physical	4.2" (w) x 1.3" (h) x 4.32" (d)

XtendView Receivers

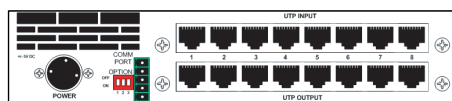
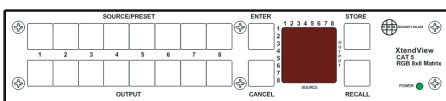


Model RXLG

Models RXSL and RXLV not shown

	Model RXSL	Model RXLG	Model RXLV
Input	UTP cable (CAT 5) RJ45 connector	UTP cable (CAT 5) RJ45 connector	UTP cable (CAT 5) RJ45 connector
Output	RGB (3, 4 or 5 wire) YUV, HDTV, composite / S-Video L + R or stereo line level audio	RGB (4 or 5 wire) L + R line level audio	RGB (3 wire) YUV, HDTV, composite / S-Video L + R or stereo line level audio
Multi-Drop Output	Option RJ45 connector	Yes RJ45 connector	Yes RJ45 connector
Max Resolution	1920 x 1440 @ 60 Hz	1920 x 1440 @ 60 Hz	1920 x 1440 @ 60 Hz
Cable Equalization	Up to 500 ft,	Up to 1500 ft,	Up to 1500 ft,
Regenerated Sync	Yes	Yes	No
Skew Compensation	Single 10 ns step	Up to 31 ns in 1 ns increments	Up to 31 ns in 1 ns increments
Power Requirements	5V DC @ 0.7A max 2.5 mm sub miniature jack connector	5V DC @ 0.7A max 2.5 mm sub miniature jack connector	5V DC @ 0.7A max 2.5 mm sub miniature jack connector
Physical	4.2" (w) x 1.3" (h) x 4.32" (d)	5.4" (w) x 1.18" (h) x 6.1" (d)	5.4" (w) x 1.18" (h) x 6.1" (d)

XtendView 8 x 8 and 16 x 16 Switchers



8 x 8 Switcher

16 x 16 Switcher not shown

Model 8 x 8 Switcher (Special Order)

Model 16 x 16 Switcher

Number/Type of Inputs	8 x UTP cable (CAT 5)	16 x UTP cable (CAT 5)
Number of Outputs	8 x UTP cable (CAT 5)	16 x UTP cable (CAT 5)
Control	Front panel and remote RS-232 serial	Front panel and remote RS-232 serial
Power Requirements	± 5V DC @ 15 Watts	90 - 240V AC 50/60 Hz auto-ranging
Physical	8.12" (w) x 1.7" (h) x 6.63" (d)	17.15" (w) x 3.49" (h) x 6.78" (d)

Accessories

- Rack mount adapters
- Cable
- Connectors