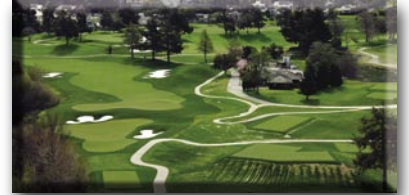


RT-X1R5829 / RT-X1R5832

The industry's **perfect** wireless video system delivers Real-Time, DVD quality encrypted digital video **up to 200 Miles**. Featuring a revolutionary pre-configured plug-and-play design, the system does not require software, setup or programming, minimizing installation time and maximizing results. Choose this series of RT-WAVE video systems for the most extreme fixed applications including long range freeway monitoring, border control, and building-to-building video links.

APPLICATIONS



ADVANTAGES

- ▶ Revolutionary pre-configured plug & play design
- ▶ Transmits Real-Time DVD quality video and stereo audio
- ▶ Lightning fast hardware based MPEG-4 encoder & decoder
- ▶ Industry leading 5 tier input power management system
- ▶ 64 Bit encrypted data stream (optional 128 Bit)
- ▶ Automatic system pairing and on screen status display
- ▶ Rugged IP-67 rated all weather protective enclosure
- ▶ OFDM digital immunity to signal interference
- ▶ Includes two parabolic antennas, mounting brackets, and low loss microwave cable
- ▶ Powered by a world class ViXS chipset
- ▶ FCC & IC Approved for license free use **up to 200 miles**

RT-X1R5829 / RT-X1R5832

SPECIFICATIONS

RT-X1R5829	MODEL #	RT-X1R5832
Single Radio 5.725GHz – 5.875GHz @ 20MHz Bandwidth	OPERATING FREQUENCY	Single Radio 5.725GHz – 5.875GHz @ 20MHz Bandwidth
Automatic Channel Selection	FREQUENCY CONTROL	Automatic Channel Selection
802.11a	PROTOCOL	802.11a
OFDM (BPSK, QPSK, 16QAM, 64QAM)	MODULATION FORMAT	OFDM (BPSK, QPSK, 16QAM, 64QAM)
Private SSID 64 Bit Encrypted Data Stream (WEP)	SECURITY AUTHENTICATION SYSTEM	Private SSID 64 Bit Encrypted Data Stream (WEP)
Optional 128 Bit		Optional 128 Bit
6 mbps - 54 mbps	DATA RATE	6 mbps - 54 mbps
Less than 0.5 sec	LATENCY	Less than 0.5 sec
Hardware Based MPEG-4	VIDEO COMPRESSION FORMAT	Hardware Based MPEG-4
30fps NTSC / 25fps PAL	FRAME RATE	30fps NTSC / 25fps PAL
800mW	RADIATED POWER	800mW
Up to 100 Miles @ 1,400ft Elevation	RANGE	Up to 200 Miles @ 5,127ft Elevation
2 x 29dBi External Parabolic	ANTENNA TYPE	2 x 32dBi External Parabolic
25" Diameter	ANTENNA DIMENSIONS	35" Diameter
6' Low Loss Microwave Cable & Universal Mounting Brackets	ANTENNA INCLUDES	6' Low Loss Microwave Cable & Universal Mounting Brackets
6 Degrees	E PLANE BEAM WIDTH	4 Degrees
6 Degrees	H PLANE BEAM WIDTH	4 Degrees
54 mbps @ -72dBm to 6 mbps @ -90dBm	RECEIVER SENSITIVITY	54 mbps @ -72dBm to 6 mbps @ -90dBm
720 x 480 NTSC / 720 x 576 PAL	VIDEO RESOLUTION	720 x 480 NTSC / 720 x 576 PAL
BNC Male 75 OHMS @ 1 Volt Peak-to-Peak	VIDEO CONNECTOR	BNC Male 75 OHMS @ 1 Volt Peak-to-Peak
BNC Male 600 OHMS @ 1 Volt Peak-to-Peak	STEREO AUDIO CONNECTOR	BNC Male 600 OHMS @ 1 Volt Peak-to-Peak
-40°F to +160°F	TEMPERATURE RANGE	-40°F to +160°F
Switching 12VDC @ 2 Amps - CEC Class IV	POWER SUPPLY INCLUDED	Switching 12VDC @ 2 Amps - CEC Class IV
1.4 Amps	CURRENT CONSUMPTION	1.4 Amps
12 - 30 Volts AC or DC	OPERATING VOLTAGE	12 - 30 Volts AC or DC
ESD Surge / Lightning Protected up to 1,500 Watts	SURGE PROTECTION	ESD Surge / Lightning Protected up to 1,500 Watts
Rugged IP-67 Rated All Weather Enclosure	ENCLOSURES	Rugged IP-67 Rated All Weather Enclosure
7.0" x 7.0" x 4.5" Each Enclosure	DIMENSIONS	7.0" x 7.0" x 4.5" Each Enclosure
Two Universal Wall / Pole Mount - # BRK-250	MOUNTING BRACKETS	Two Universal Wall / Pole Mount - # BRK-250
5kg or 11lbs (Antenna Weight Not Included)	PACKAGED WEIGHT	5kg or 11lbs (Antenna Weight Not Included)
License Free - Professional Installation	FCC / IC APPROVED	License Free - Professional Installation
One Year Limited Warranty	WARRANTY	One Year Limited Warranty

KIT INCLUDES

- ▶ ALL WEATHER TRANSMITTER
- ▶ ALL WEATHER RECEIVER
- ▶ TWO PARABOLIC ANTENNAS
- ▶ TWO LOW LOSS MICROWAVE CABLES
- ▶ TWO POWER SUPPLIES
- ▶ TWO UNIVERSAL MOUNTING BRACKETS
- ▶ REMOTE CONTROL
- ▶ OPERATING INSTRUCTIONS
- ▶ ONE YEAR LIMITED WARRANTY

