

NetStream 5802

Reliable and Cost Effective Broadband Access Solution

Netronics NetStream 5802 wireless broadband solution offers Ethernet transmission at an extremely competitive price. NetStream 5802 is the newest addition to Netronics NetStream 5x36 portfolio of high capacity, cost effective wireless broadband solutions that deliver carrier-class TDM and Ethernet services in the sub-6 GHz bands. The NetStream 5802 solution meets the needs of operators who want to deploy high-quality Ethernet services with maximum reliability, yet with minimum costs and hassles. Operators can install NetStream 5802 in hours, expand their connectivity footprint and realize almost immediate return on investment. In addition, NetStream 5802 is designed to support user capacity management, enabling optimized bandwidth allocation and flexible service pricing.



Typical Applications

Broadband Access

NetStream 5802 enables service providers to provide superior quality full duplex Ethernet services to customers quickly and cost-effectively.

Metro WiFi Backhauling

NetStream 5802 is the ideal solution for backhauling WiFi traffic, providing backhaul to WiFi access points and metro WiFi networks in crowded environments.

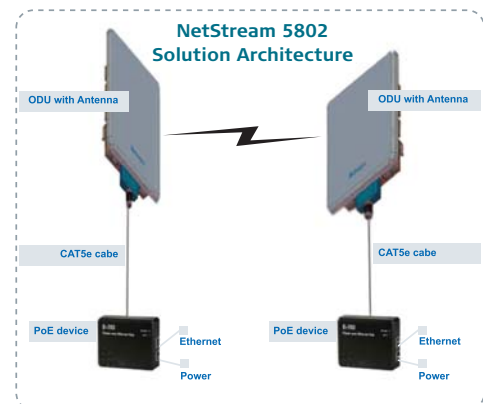
Video Surveillance

NetStream 5802 is ideal for transmitting high-quality ethernet video traffic, enabling deployment of cameras in areas that are either too remote or too costly to reach with cable or fiber- based solutions.

NetStream 5802 Architecture

Netronics NetStream 5802 solution consists of an Outdoor Unit device (ODU) with an Integrated or External antenna and a Power over Ethernet (PoE) device on each side of the link.

The PoE device supplies power over the same CAT5e twisted-pair cable that carries the Ethernet traffic to the ODU.



Specifications

Configuration

Architecture	Outdoor Unit with PoE device
IDU to ODU Interface	Outdoor CAT5e cable; Maximum length: 100 m

Radio

Frequency	2.300 - 2.4835 GHz, 2.400 - 2.4835 GHz, 5.725 - 5.850 GHz
Throughput	2 Mbps full duplex
Channel bandwidth	5 MHz
Duplex Technique	TDD
Modulation	OFDM – BPSK/QPSK/16QAM/64QAM
Max Range	20 Km
Max Tx Power	18 dBm
Error Correction	FEC k=1/2, 2/3, 3/4

LAN Interface

Type	10/100BaseT Interface with Auto-negotiation (IEEE 802.3)
Number of Ethernet Ports	1
Framing/Coding	IEEE 802.3/U
Line Impedance	100Ω
VLAN Support	Transparent
Connector	RJ-45
Maximum Frame Size	1800 Bytes

Management

Protocol	SNMP based
Network Management	SNMPc based
Upgrade Capabilities	Local and remote 'over the air' software upgrades

Mechanics

ODU (with 1 ft flat integrated antenna)	30.5 cm (H) x 30.5 cm (W) x 5.8 cm (D) Weight: 1.5kg / 3.3lbs
ODU (with nointegrated antenna)	24.5 cm (H) x 13.5 cm (W) x 4.0 cm (D) Weight: 1.0kg / 2.2lbs
PoE Device	3.2 cm (H) x 9 cm (W) x 7.5 cm (D) Weight: 0.16kg / 0.35lbs

Power and Mounting

Power Feeding	110/220VAC, 50/60Hz
Power Consumption	<10W (ODU + PoE device)
Mounting	Pole and Wall

Environmental

Outdoor Unit Enclosure	All weather cases
ODU Operating Temperatures	-35°C - 60°C
PoE Device Operating Temperatures	0°C - 40°C
Humidity (Outdoor Unit)	Up to 100% non-condensing

Antennas

	2.400-2.4835 GHz	5.725-5.850 GHz
1ft Integrated Antenna		
Gain		22 dBi
Beam Width		9°
Polarization		Linear
2ft External Antenna Up to 100% non-condensing		
Gain	24 dBi	28 dBi
Beam Width	8°	4.5°
Polarization	Linear	Linear



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