

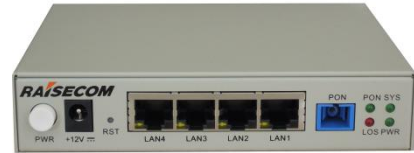


MSG2100 series video monitoring gateway

The MSG2100 series devices are video monitoring gateways launched by Raisecom, which are used for video monitoring in public areas and other video monitoring scenarios. This series adopts a dual-core CPU, features strong forwarding performance, supports EPON/GPON auto-negotiation, and provides users with a PON access video monitoring solution.

The device adopts a metal shell, which is strong and durable, with a high level of safety protection. Besides, it is small in size and can be placed in an outdoor tin trunk for easy installation.

The MSG2100 series supports TR069 network management, which simplifies the configuration process and reduces OPEX.



MSG2100-UPON-AC

Highlights >>

Performance and reliability

- New-generation dual-core CPU, 900 MHz, high performance, and low power consumption
- Metal shell, high lightning protection grade, anti-high and low temperature, applicable to outdoor tin trunks
- Small size and easy installation

Interface type

- EPON/GPON adaptive uplink mode on the WAN side
- 1000 Mbit/s Ethernet interfaces on the LAN side

Route access

- IPv4/IPv6 dual stack and DS-lite tunnel
- Routing, bridging, DHCP, and UPNP
- NAT/NAPT, one-to-one address mapping, port mapping
- VLAN management and MAC management, which facilitate service and interface planning
- Static route, policy routing, and route backup
- IGMPv1 and v2: IGMP Snooping and IGMP Proxy
- Abundant and flexible QoS scheduling mechanisms, such as SP and WRR

Security

- Firewall and access control strategy
- Anti-DDoS, ARP attack prevention, and interface scanning prevention
- MAC address, IP address, and URL filtering
- Multiple user authentication modes, such as Radius/LDAP/TACACS+

Management

- TR-069, Web, SNMP, and so on
- Zero-configuration and automatic service provisioning

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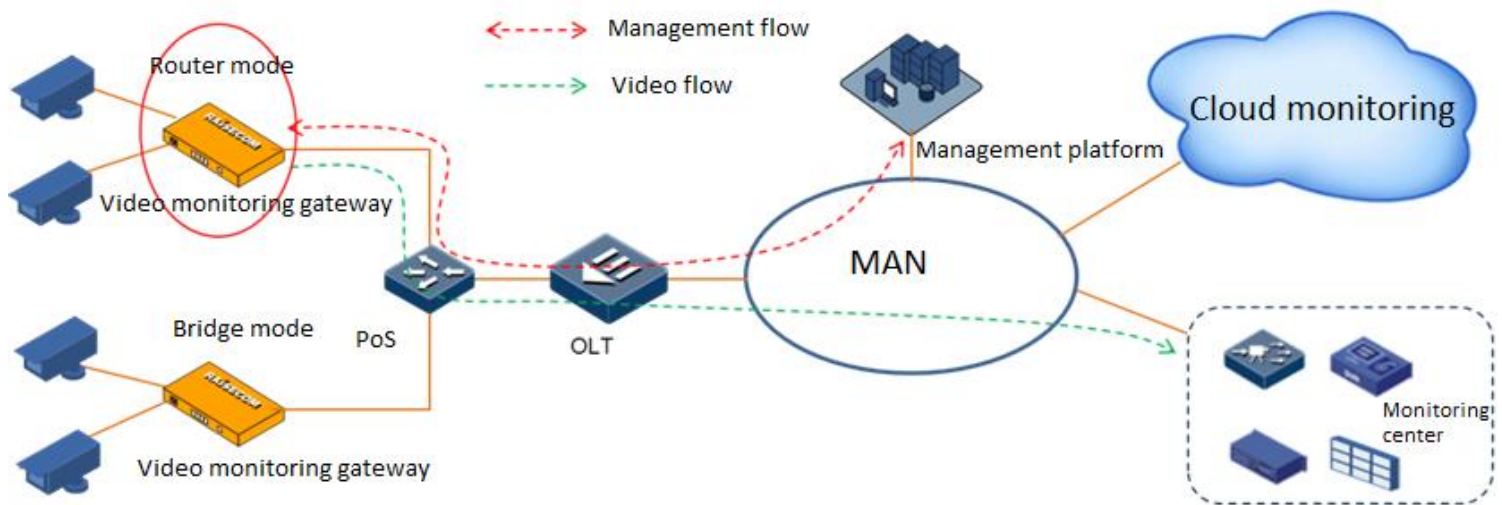
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- NAT to implement connection establishment between public network devices and private network devices on the NMS

Application scenarios >>



Multi-service access of SMEs

The MSG2100 series gateways are applicable to outdoor monitoring scenarios (such as road monitoring and community monitoring):

- Provide EPON/GPON auto-negotiation uplink interfaces on the WAN side.
- Provide four 1000 Mbit/s Ethernet interfaces on the LAN side.
- Adopt a metal shell and is small in size. Provide high lightning protection grade and support anti-high and low temperature.
- Support Web, SNMP, and TR069, which can realize on-site zero-configuration, convenient for service provisioning and operation & maintenance.

Key features >>

Parameter	MSG2100-UPON-AC
WAN side	1 EPON/GPON auto-negotiation interface
LAN side	4 GE



Weight	0.4 Kg
Dimensions (Length x Width x Height) (mm)	135 x 108 x 28 (metal shell)
Power supply mode	+12 VDC power adapter
Maximum power consumption	≤ 6 W
Operating environment	<ul style="list-style-type: none"> ● Operating temperature: -20 to 65 °C ● Operating humidity: 10%–90% (non-condensing)
Storage environment	<ul style="list-style-type: none"> ● Storage temperature: -25 to 70°C ● Storage humidity: 10%–90% (non-condensing)
Lightning protection grade	<ul style="list-style-type: none"> ● Power interface: 6 KV in common mode ● Network interface: 6 KV in common mode
Dust-proof level	IP20
Access	<ul style="list-style-type: none"> ● Routing, bridging, DHCP, and UPNP ● VLAN management, Access and Trunk modes ● NAT/NAPT, one-to-one address mapping, and port mapping
Multicast	IGMPv1 and v2: IGMP Snooping and IGMP Proxy
Rate limiting	<ul style="list-style-type: none"> ● Rate limiting based on interface, VLAN, and IP address ● SP and WRR
Routing	Static route, policy routing, and route backup
IPv4/IPv6	IPv4/IPv6 dual stack, route and data forwarding, and DS-lite tunnel
QoS	Priority mapping, congestion management, and priority management
Security	<ul style="list-style-type: none"> ● Firewall, website filtering, MAC address filtering, and access control ● ARP attack prevention and anti-DDoS attack ● Web authentication, RADIUS authentication, and illegal IP detection
Maintenance and management	TR069, Web, and SNMP

Ordering information >>

Model	Description
MSG2100-UPON-AC	Video monitoring gateway <ul style="list-style-type: none"> ● WAN interface: 1 EPON/GPON auto-negotiation optical interface ● LAN interface: 4 GE interfaces ● Power: +12 VDC power adapter

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