

Grandstream Wi-Fi 6 APs

GWN Series



What Makes Wi-Fi 6 Great?

Wi-Fi 6 is the latest and greatest standard for Wi-Fi technology. It was created to support the modern generation of dense environments where many users and many devices require consistent and reliable Wi-Fi connections. Wi-Fi 6 technology maximizes the amount of signals an access point and router can send and receive at the same time, allowing them to communicate with more devices at the same time and to send data to multiple devices in the same broadcast. It is ideal for the modern generation of connected and smart devices.

OFDMA Technology

- One of the biggest additions to Wi-Fi 6
- OFDMA directly impacts uplink and downlink streams and
- Controls how client devices are connected to the access point and bandwidth prioritization.
- Organizes bandwidth usage by client devices into Resource Units
- Resource units are what allows the access point to carry multiple services for different needs simultaneously
- Ideal for deployments with a wide variety of device types (VoIP phones, laptops, IoT, etc.)



MU-MIMO and Wi-Fi 6

- Introduced on Wi-Fi 5 but improved with Wi-Fi 6
- Wi-Fi 6 MU-MIMO enables all devices to communicate with the access point simultaneously
- The advantage of this is improved performance of each spatial stream.
- Each access point you deploy will experience increased efficiency in environments with multiple simultaneous users, along with a slight decrease in client latency.
- Improved MU-MIMO means less total access points needed in a solution, which makes for a less expensive Wi-Fi 6 deployment.

GWN Series & Wi-Fi 6

This sales kit includes all of Grandstream's Wi-Fi 6 APs while providing the insight needed to communicate & sell GWN series Wi-Fi 6 APs

	GWN7660	GWN7661	GWN7662	GWN7660LR	GWN7664	GWN7664LR
Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6)					
MU-MIMO	2x2:2		4x4:4	2x2:2	4x4:4	4x4:4
Coverage Range	Up to 175 meters	Up to 100 meters	Up to 175 meters	Up to 250 meters, Weatherproof	Up to 175 meters	Up to 250 meters, Weatherproof
Concurrent Clients	256+	500+	256+	256+	750+	750+
Network Interfaces	2x Gigabit ports	1x 1G uplink port, 2x 1G PSE ports, 1x 1G port	1x 1G port and 1x 2.5G port	2x Gigabit ports	1x 1G port and 1x 2.5G port	1x 1G port and 1x 2.5G port
Throughput	1.77 Gbps	1.77 Gbps		1.77 Gbps	3.5 Gbps	3.5 Gbps

GWN7660

Overview and Basics



About the GWN7660

The GWN7660 offers dual-band 2x2:2 MU-MIMO with DL/UL OFDMA technology and a sophisticated antenna design for maximum network throughput. To ensure easy installation and management, the GWN7660 uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface. The GWN7660 is also supported by GWN.Cloud. It offers an effective solution for high density deployments.

Product Positioning

GWN7660 is a perfect Wi-Fi access point for business-grade wireless network deployments with medium-to-high user density, including small-to-medium sized businesses, multiple floor buildings, residential settings and commercial locations and similar environments. The GWN7660 offers a seamless connection with Grandstream's Wi-Fi capable IP phones.

Competitive Features

- 1.77Gbps aggregate wireless throughput and 2xGigabit wireline ports
- Dual-band 2x2:2 MU-MIMO technology
- DL/UL OFDMA technology
- Supports 256+ concurrent Wi-Fi client devices
- Up to 175-meter coverage range
- Self power adaptation upon auto-detection of PoE/PoE+
- Anti-hacking secure boot and critical data/control lockdown via digital signatures
- Embedded controller can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN. Manager offers premise-based software controller



Supports 256+ concurrent Wi-Fi client devices



Up to 175 meter coverage range



Self power adaptation upon auto-detection of PoE or PoE+

GWN7660 Key Technical Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6)
Antennas	2 dual band internal antennas 2.4GHz: gain 3dBi, 5 GHz: gain 3dBi
Frequency Bands	2.4GHz radio: 2412 - 2484 GHz / 5GHz radio: 5180 - 5825 GHz
Coverage Range	Up to 175 meters <small>*coverage range can vary based on environment</small>
Wi-Fi and System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
Concurrent Clients	256+
Network Interfaces	2 x autosensing 10/100/1000 Base-T Ethernet Ports

GWN7660LR

Overview and Basics



About the GWN7660LR

The GWN7660LR offers IP66 weatherproof certified casing, dual-band 2x2:2 MU-MIMO technology with DL/UL OFDMA technology and a sophisticated antenna design for maximum network throughput and extended coverage range of up to 250 meters.. To ensure easy installation and management, the GWN7660LR uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface. The GWN7660LR is also supported by GWN.Cloud.

Product Positioning

The GWN7660LR provides a powerful long-range access point that is designed for dense Wi-Fi environments such as medium-to-large offices, schools, colleges/universities, hotels, convention centers, stadiums, gymnasiums, auditoriums and more. The GWN7660LR is the ideal Wi-Fi AP for voice-over-Wi-Fi deployment and offers a seamless connection with Grandstream's Wi-Fi capable voice and video IP phones.

Competitive Features

- 1.77Gbps aggregate wireless throughput and 2xGigabit wireline ports
- Dual-band 2x2:2 MU-MIMO technology
- DL/UL OFDMA technology
- Supports 256+ concurrent Wi-Fi client devices
- Up to 250-meter coverage range
- Self power adaptation upon auto-detection of PoE/PoE+
- Anti-hacking secure boot and critical data/control lockdown via digital signatures
- Embedded controller can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN. Manager offers premise-based software controller



Supports 256+ concurrent Wi-Fi client devices



Up to 250 meter coverage range



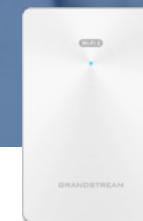
Self power adaptation upon auto-detection of PoE or PoE+

GWN7660LR Key Technical Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6)
Antennas	2 dual band internal antennas 2.4GHz: gain 3.5dBi, 5 GHz: gain 3.5dBi
Frequency Bands	2.4GHz radio: 2412 - 2484 GHz / 5GHz radio: 5180 - 5825 GHz
Coverage Range	Up to 250 meters <small>*coverage range can vary based on environment</small>
Wi-Fi and System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
Concurrent Clients	256+
Network Interfaces	2 x autosensing 10/100/1000 Base-T Ethernet Ports

GWN7661

Overview and Basics



About the GWN7661

The GWN7661 is an in-wall 802.11ax Wi-Fi 6 access point designed for small-to-medium sized businesses, offices, residential and commercial locations, hotels and more. It offers dual-band 2x2:2 MU-MIMO technology as well as a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. Wi-Fi 6 technology supports the modern generation of dense environments where many users and many devices require consistent and reliable Wi-Fi connections at higher speeds.

Product Positioning

The GWN7661 comes with three Gigabit network ports to provide IP phones, IPTV, computers and similar devices with Ethernet while also providing an uplink Gigabit network port with PoE/PoE+. It supports the access of wired terminals and also meets wireless coverage requirements. As an in-wall access point, it provides a clean and professional installation that blends into the surrounding environment.

Competitive Features

- 1.77 Gbps aggregate wireless throughput with 3 Gigabit network ports for auxiliary devices
- 2 PSE network ports for providing power to PoE/PoE+ devices
- Up to a 100-meter coverage range
- Dual-band 2x2:2 MU-MIMO technology
- DL/UL OFDMA technology
- Supports 500 concurrent Wi-Fi client devices
- Self power adaptation upon auto-detection of PoE/PoE+
- Anti-hacking secure boot and critical data/control lockdown via digital signatures
- Embedded controller can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN. Manager offers premise-based software controller



Supports 500 concurrent Wi-Fi client devices



Up to 100 meter coverage range



3 Gigabit network ports, 2 with PSE capabilities

GWN7661 Key Technical Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6)
Antennas	4 single band internal antennas 2.4GHz: gain 3.3dBi and 3.51dBi, 5 GHz: gain 4.79dBi, gain 5.37dBi
Frequency Bands	2.4GHz radio: 2412 - 2484 GHz / 5GHz radio: 5180 - 5825 GHz
Coverage Range	Up to 100 meters <small>*coverage range can vary based on environment</small>
Wi-Fi and System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
Concurrent Clients	500
Network Interfaces	1x 10/100/1000M uplink Ethernet port with PoE/PoE+, 2x 10/100/1000M Ethernet ports with PSE, 1x 10/100/1000M Ethernet port

GWN7662

Overview and Basics



About the GWN7662

The GWN7662 is an 802.11ax Wi-Fi 6 access point ideal for small -to-medium sized businesses, home offices, retail shops, restaurants, hospitality, education and more. It offers 4x 4:4 MU-MIMO technology on the 5G band and 2x2:2 MU-MIMO on the 2.4G band as well as a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. Wi-Fi 6 technology supports the modern generation of dense environments where many users and many devices require consistent and reliable Wi-Fi connections at higher speeds.

Product Positioning

With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, 256 concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, the GWN7662 is the ideal Wi-Fi access point for medium wireless network deployments with medium user density. The GWN7662 is also supported by GWN.Cloud and GWN Manager, Grandstream's free cloud and on-premise Wi-Fi management platform.



Supports 256+ concurrent Wi-Fi client devices



Up to 175 meter coverage range



Self power adaptation upon auto-detection of PoE or PoE+

GWN7662 Key Technical Specifications

Competitive Features

- 5.38Gbps aggregate wireless throughput and 2x Gigabit wireline ports
- Up to a 175-meter coverage range
- 5GHz 4x4:4 MU-MIMO technology, 2x2:2 MU-MIMO on the 2.4G band
- 6 single frequency internal antennas
- DL/UL OFDMA technology
- Supports 256 concurrent Wi-Fi client devices
- Self power adaptation upon auto-detection of PoE/PoE+
- Anti-hacking secure boot and critical data/control lockdown via digital signatures
- Embedded controller can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN Manager offers premise-based software controller

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6)
Antennas	6 single frequency internal antennas 2.4GHz: gain 3.65dBi, 5 GHz: gain 5.26dBi
Frequency Bands	2.4GHz radio: 2412 - 2484 GHz / 5GHz radio: 5180 - 5825 GHz
Coverage Range	Up to 100 meters <small>*coverage range can vary based on environment</small>
Wi-Fi and System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
Concurrent Clients	256
Network Interfaces	1x 1G Port and 1x 2.5G Port, supports 3.5Gbps aggregate wire throughput

GWN7664LR

Overview and Basics



About the GWN7664LR

The GWN7664LR offers a high-end weatherproof and long range Wi-Fi access point with dual-band 4x4:4 MUMIMO, DL/UL OFDMA technology, 300-meter coverage range, sophisticated internal antenna design for stronger anti-interference, maximum network throughput and expanded Wi-Fi coverage range. The GWN7664LR uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface. The GWN7664 is also supported by GWN.Cloud. offers an effective solution for high density deployments. and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform.

Product Positioning

The GWN7664LR is a high-end outdoor 802.11ax 4x4:4 Wi-Fi 6 access point for medium-to-large businesses and enterprises who need to provide long-range coverage in both indoor and outdoor spaces. It offers weatherproof casing and heat resistant technology, dual-band 4x4:4 MU-MIMO with DL/UL OFDMA technology and a sophisticated antenna design for maximum network through that supports 750 clients and an expanded 300-meter coverage range.

Competitive Features

- 3.55Gbps aggregate wireless throughput and 2xGigabit wireline ports
- Dual-band 4x4:4 MU-MIMO technology
- DL/UL OFDMA technology
- Supports 750 concurrent Wi-Fi client devices
- Self power adaptation upon auto-detection of PoE/PoE+
- Anti-hacking secure boot and critical data/control lockdown via digital signatures
- Embedded controller can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN. Manager offers premise-based software controller



Supports 512 concurrent Wi-Fi client devices



Up to 300 meter coverage range



Self power adaptation upon auto-detection of PoE or PoE+

GWN7664LR Key Technical Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6)
Antennas	4 dual band internal antennas 2.4GHz: gain 3dBi, 5 GHz: gain 4dBi
Frequency Bands	2.4GHz radio: 2412 - 2484 GHz / 5GHz radio: 5180 - 5825 GHz
Coverage Range	Up to 300 meters <small>*coverage range can vary based on environment</small>
Wi-Fi and System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
Concurrent Clients	750
Network Interfaces	1x 1G Port and 1x 2.5G Port, supports 3.5Gbps aggregate wire throughput

GWN7664

Overview and Basics



About the GWN7664

The GWN7664 offers a high-end weatherproof and long range Wi-Fi access point with dual-band 4x4:4 MUMIMO, DL/UL OFDMA technology, 175-meter coverage range, sophisticated internal antenna design for stronger anti-interference, maximum network throughput. The GWN7664 uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface. The GWN7664 is also supported by GWN.Cloud. offers an effective solution for high density deployments. and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform.

Product Positioning

The GWN7664 is a high-end indoor 802.11ax 4x4:4 Wi-Fi 6 access point for medium-to-large businesses and enterprises who need to provide high performing coverage. It offers dual-band 4x4:4 MU-MIMO with DL/UL OFDMA technology and a sophisticated antenna design for maximum network through that supports 750 clients and a 175-meter coverage range.



Supports 512 concurrent Wi-Fi client devices



Up to 175 meter coverage range



Self power adaptation upon auto-detection of PoE or PoE+

Competitive Features

- 3.55Gbps aggregate wireless throughput and 2xGigabit wireline ports
- Dual-band 4x4:4 MU-MIMO technology
- DL/UL OFDMA technology
- Supports 750 concurrent Wi-Fi client devices
- Self power adaptation upon auto-detection of PoE/PoE+
- Anti-hacking secure boot and critical data/control lockdown via digital signatures
- Embedded controller can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN. Manager offers premise-based software controller

GWN7664 Key Technical Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6)
Antennas	4 dual band internal antennas 2.4GHz: gain 3dBi, 5 GHz: gain 4dBi
Frequency Bands	2.4GHz radio: 2412 - 2484 GHz / 5GHz radio: 5180 - 5825 GHz
Coverage Range	Up to 175 meters <small>*coverage range can vary based on environment</small>
Wi-Fi and System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
Concurrent Clients	750
Network Interfaces	1x 1G Port and 1x 2.5G Port, supports 3.5Gbps aggregate wire throughput

GWN Wi-Fi 6 APs Competitive Differentiators



Affordable and Powerful

The GWN Series provides a competitive device that was designed for an affordable Wi-Fi 6 solution, perfect for delivering the advantages of Wi-Fi 6 to offices, lecture halls, and other demanding wireless deployments

- **Wi-Fi 6:** Wi-Fi 6 exclusive technology allows the access point to better serve dense network deployments.
- **Market Leading Wi-Fi Standards:** 802.11a/b/g/n/ac/ax standards, this supports past, present, and future Wi-Fi devices
- **Greater Performance for Less Money:** 256+ or 750+ concurrent devices, 175,250, and 300-meter coverage range, 1.77, 3.5, or 5.38 Gbps aggregate dual-band

Flexible & Free Management

Choose between three ways to manage your GWN Series wireless network:

- **GWN.Cloud:** Grandstream's cloud-based Wi-Fi access point management platform. Configure, manage, and troubleshoot unlimited wireless deployments entirely from the cloud
- **GWN Manager:** For deployments with higher security standards, the GWN Manager is a premise-based version of the GWN.Cloud
- **Built-in Controller:** GWN Series APs can manage up to 50 local GWN series access points



Market-Leading Features

The GWN Wi-Fi 6 access points come equipped with advanced performance-boosting features:

- **UL/DL OFDMA:** Access points running on the 801.11ax standard perform better in dense environments and are designed to manager multiple Wi-Fi devices with varying bandwidth demands
- **Beamforming Technology:** AP detects wireless clients and focus signals towards them
- **Multiple Customized SSIDs:** Up to 32 SSID channels with customized client configurations, captive portal, and bandwidth limits
- **QoS Standards:** Prioritizes certain network traffic/devices so critical tasks don't compete for bandwidth, can be customized based on deployment



Easy Client Configuration

The way wireless clients access the internet through a GWN Series AP can be highly customized based on AP or SSID.

- **Blacklist:** Prevents specific MAC addresses from connecting
- **Connection Time:** Enforce timeout of a connection and requires renewal
- **Wireless Client Limit:** Puts a cap on the maximum amount of wireless clients that can be connected to an SSID at a single time
- **Bandwith Rules:** A variety of rules that restrict the bandwidth usage of client devices

GWN Series Deployment Scenarios



Offices

Medium and large offices can utilize the GWN Series to create a mobile working environment for employees that doesn't sacrifice on performance.

- Wi-Fi 6 delivers an effective wireless connection for dense BYOD networks
- Onsite IT teams can easily manage, configure, and troubleshoot Wi-Fi network on their own
- Wi-Fi 6 OFDMA and QoS standards can organize the many different devices competing for bandwidth, limiting background usage and prioritizing Wi-Fi voice and video usage

Commercial Shops

Commercial stores can use the GWN Series to create Wi-Fi environments for both guests and staff.

- Multiple network SSIDs and client configuration can be used to create dedicated networks for staff and guests
- Captive portals create secure public Wi-Fi channels
- Wi-Fi 6 standard can be leveraged to create a fast network for customers carrying smart devices

Education

Within demanding education environments, the GWN Series can help both staff and students exceed with a rapid wireless connection.

- Client configuration allows students to only access Wi-Fi during specific times, through certain access points, or with whitelisted devices
- Wi-Fi network can easily be adjusted for year-to-year needs as student levels fluctuate
- High density solution for public and private schools that require cutting-edge Wi-Fi technology for new education strategies



GWN Series Grandstream Product Integration



Cordless Wi-Fi Phones

- Wi-Fi 6 MU-MIMO and UL/DL OFDMA creates a wireless environment that can simultaneously serve both Wi-Fi voice devices and typical wireless workstations effectively
- GWNs auto-recognizes Grandstream WP800 series wireless handsets and automatically share security authentications across the network, creating a seamless roaming experience



Desktop Endpoints

- Grandstream has a variety of Wi-Fi enabled desktop phones, deploying these devices will allow for less costly ethernet cabling and a less complicated infrastructure
- QoS standards will keep a high-quality experience, whether video conferencing on Grandstream multimedia video-phones or calling on one the GRP series of carrier-grade IP phones



Wi-Fi Access Point Management

- Both Grandstream cloud-based AP management platform, GWN.Cloud, and on-premise software management platform, GWN Manager, are able to add, configure, and monitor the GWN Series within a GWN wireless network
- All GWN series APs are compatible with all other GWN series access points within Grandstream's portfolio, allowing it to actively manage up to 50 other GWN access points









Intercoms and Paging

- Grandstream's GSC series of intercom and paging devices are Wi-Fi capable so any and all pages and intercom calls can be executed over the wireless network, reducing cost and infrastructure management
- The GWN Series is also equipped with dual gigabit networking ports that can provide an ethernet connection to a nearby ceiling mounted GSC series device if a wired connection is needed



GWN Series Wi-Fi 6 AP Comparison



Model	 GWN7660	 GWN7660LR	 GWN7661	 GWN7662	 GWN7664	 GWN7664LR
Client Devices	256+	256+	500+	256+	750+	750+
Range	Up to 175 Meters	Up to 250 Meters	Up to 100 Meters	Up to 175 Meters	Up to 175 Meters	Up to 300 meters
Network Interfaces	2x autosensing 10/100/1000 Base-T Ethernet Ports	2x autosensing 10/100/1000 Base-T Ethernet Ports	1x 1G Uplink Port, 2x 1G Ports with PSE, 1x 1G Port	1x 1G Port and 1x 2.5G Port	1x 1G Port and 1x 2.5G Port	1x 1G Port and 1x 2.5G Port
PoE/PoE+	Supports PoE 802.3af/ 802.3at; Max Consumption: 9W	Supports PoE 802.3af/ 802.3at; Max Consumption: 12.9W	Support 802.3az PoE 802.3af/ 802.3at; PSE Maximum Output Per Port: 6W; Maximum Power Consumption: 25W	Supports 802.3az PoE 802.3af/ 802.3at; Maximum Power Consumption: 16W	Supports PoE 802.3af/ 802.3at; Max Consumption: 17W	Supports PoE 802.3af/ 802.3at; Max Consumption: 18W
2.4G Throughput	573.5Mbps (2x2:2 MIMO)	573.5Mbps (2x2:2 MIMO)	573.5Mbps (2x2:2 MU-MIMO)	573.5Mbps (2x2:2 MU-MIMO)	1147Mbps (4x4:4 MIMO)	1147Mbps (4x4:4 MIMO)
5G Throughput	1201Mbps (2x2:2 MU-MIMO)	1201Mbps (2x2:2 MU-MIMO)	1201Mbps (2x2:2 MU-MIMO)	4804Mbps (4x4:4 MU-MIMO)	2402Mbps (4x4:4 MU-MIMO)	2402Mbps (4x4:4 MU-MIMO)
Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax					
SSIDs	32 SSIDs total, 16 per radio (2.4Ghz and 5Ghz)					
Network Management	GWN.Cloud GWN Manager Embedded Controller					
Antennas	2 dual band internal antennas	2 dual band detachable external antennas	4 single band frequency internal antennas	6 single frequency internal antennas	8 individual internal antennas, 4 per band	4 dual band detachable external antennas
Wi-Fi & System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device					
Dimensions	180.4x180.4x40.8mm	358.3mm(L) x 115mm(W) x 45.3mm(H)	135mm(L) x 86mm(W) x	205.3mm(L) x 205.3mm(W) x 40.9mm(H)	205.3mm(L) x 205.3mm(W) x 40.9mm(H)	562.3mm(L) x 140mm(W) x 44.99mm (H)
Mounting	Indoor wall mount or ceiling mount, kits included	Outdoor wall or pole mount, kits included	In-wall mountable, kits included	Indoor wall mount or ceiling mount, kits included	Indoor wall mount or ceiling mount, kits included	Outdoor wall or pole mount, kits included