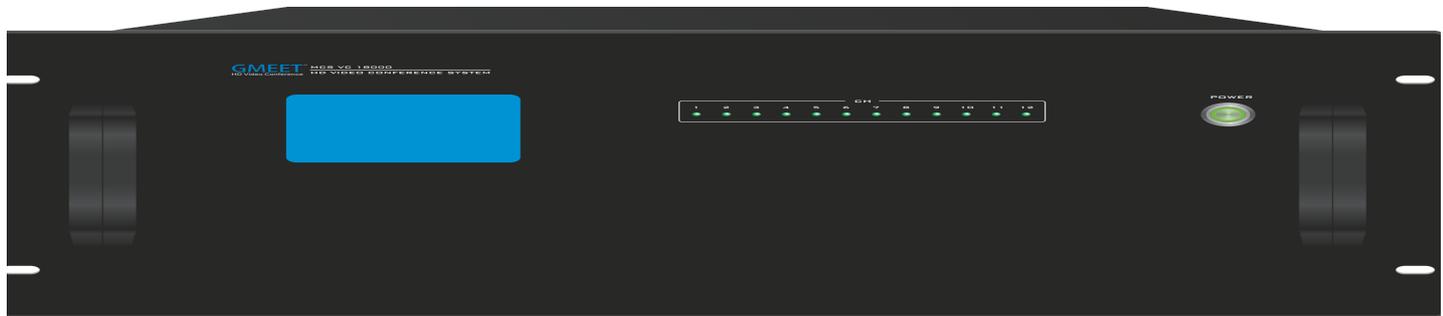# GMEET MCS VC 18000 B and P Series

GMEET MCS VC Systems It is a new generation MCS ,which is integrated CMS, CRS, MCU, GK, live

broadcast and storage function. Plug-in module design, support HD resolution. It will offer you excellent video conferencing experience.

*It adopts embedded operating system(non-Windows operating system) adopts carrier-grade design and modular plug-in design. which can work 24X7 hours without interruption.

*Support ITU-T H.323, IETF SIP protocol, compatible with H.323, SIP, RTSP, VCS and other protocols.

*It supports 64Kbps-8Mbps bandwidth rate and QCIF, CIF, 4CIF, 480P, D1, 720P, 1080P video resolution; supports the holding of mixed speed, mixed video format, mixed protocol conference.

*Support H.264, H.264 MP, H.264 HP, H.265 video codec protocol, support G.711A, G.711U, G.722, iLBC, G.722.1, G.722.1C, OPUS_16K ,OPUS_24K and OPUS_48K Audio coding and decoding protocols ,Best sound quality is up to 48KHz.

*Support data chart function according to the length of the day, week, month, year, etc.; support real-time statistics and display of the number of devices online, conference details (including the number of conferences, conference name, conference status, conference duration) etc .

*Support to directly view the live video of the conference in the conference control interface; and support the snapshot function of the preview screen of the conference site, and save it to the server as jpg image mode.

*Support MCU cascading function. It can support more than 1000 ports in cascading mode; The MCU can form a resource pool and form a distributed architecture of the MCU to realize unified management of MCU resources.

*Supporting multi-screen layout, up to 64 screens per screen; support screen automatic split screen function.

* Built-in GK module, support terminal register E.164 extension number, and call each other.

* Built-in conference recording module, which can record and store multiple conference videos and audio in real time.

* With 200G Built in storage space, which is used to store extended storage capacity to 4TB.

*Support FEC error correction function, when the data packet loss rate is less than 20% and not continuous packet loss, the picture will not appear blurred or severe mosaic; ensure the smoothness of the meeting.

*With live broadcast function, support RTMP, HLS live broadcast mode; you can arbitrarily select a venue or composite media stream in the conference as a live broadcast source, and can switch live broadcast sources at any time.

*Support the browser to access the link address through the browser or player to watch the live broadcast, with live access password management function; The live viewer is not limited, you can check the viewer number in the background management.

Support AES 128-bit dynamic encryption algorithm, H.235 video conference encryption standard to ensure the security of the conference.

*Support the mode of chairman to control the conference. In this mode, the chairman terminal can perform functions such as conference management and screen layout.

*Support audio and video encoding selection function, which can realize audio and video synchronous encoding or pure audio encoding.

* Support user rights management, and assign different management and usage rights to different level users.

* Support voice priority and QOS policy mode.

* Support IPV4 and IPV6 protocols, with the ability to cross routers and firewalls to ensure system security and support the setting of QOS, NAT, H.245 tunnel and other parameters.

* Support dual power backup, each power supply is independent. When one of the power supplies is disconnected, the backup power supply will work automatically to ensure the normal operation of the system.

* Support system hardware monitoring function, which can monitor the working status of each hardware module of the system in real time, also with abnormal alarm function.

* Support remote control and remote upgrade function.

Specifications:

	GMEET MCS 18000 B Series	GMEET MCS 18000 P Series
MCU Capacity:	**8/16/32**	**48/64/96/128/160**

Performance:

Resolutions and frame rates up to 1080p 30fps|60fps, optimized for each endpoint's capabilities and local network conditions in a multipoint conference

Features:

H.323/SIP & H.239 Content sharing	Yes	Yes
Recording & Streaming	Yes	Yes

722.1C, 722 (32K & 24K), G.711, G.722, G.723, G.729,GIPS, OPUS_16K ,OPUS_24K and OPUS_48K Audio Protocol
H.264, H.264 MP,H.264 HP,H.265 Video Protocol

ITU-T H.323, IETF SIP , H.323, SIP, RTSP, VCS :

H.323 and SIP	Yes	Yes

Security:

TLS, SRTP, HTTPS, SSL, AES, Support Firewall Traversal

Availability:

GMEET MCU 18000 B and GMEET MCU 18000 P, B Model is upgradable to 32 Ports and P Model is Uppgardable160 Ports. Support MCU standalone, Primary and secondary, cascading function. The MCU can form a resource pool and form a distributed architecture of the MCU to realize unified management of MCU resources. It can support more than 1000 Ports in cascading mode.

Environment:

Operating Temperature range:	0 to 35°C (50 to 95°F)
Operating Humidity Range:	10% to 80% (non-condensing)
Line Voltage:	100-240V AC Frequency 50Hz to 60Hz, Single Phase
Size	496mmX484mmX220mm

Network: 2XRJ45 LAN Ports: 100 Base TX and 1000 Base-T.

Power Supply: Input 120-240 V, 50-60 HZ