



# US series

## US 系列音频矩阵处理器 US168/US1616 US SERIES AUDIO MATRIX PROCESSOR

- 采用第四代SHARC ADSP-21489高性能浮点DSP芯片，强大的音频处理能力。
- 48Khz采样频率保障捕捉声音细节，AD/DA动态范围达114dB
- 内置粉红/白噪声/正弦发生器
- 分频器Bessel/Butterworth/Link-Riley的斜率从6-48dB/Oct范围内可选
- 输入通道功能：噪声门/16段参量均衡/高低通/压缩器/延时/自动混音
- 输出通道功能：矩阵混音/16段参量均衡/高低通/限幅器/延时器
- 输入通道支持MIC和线路切换开关，带48V幻像电源
- 每个输入通道独立的自适应反馈抑制器，有效解决现场话筒啸叫
- AEC回声消除
- 以太网和232接口，且开放RS232, TCP/IP协议实现第三方控制
- 有摄像跟踪代码输出，便于中控实现摄像联动功能
- PC 软件自动发现处理器，支持32组场景预设，可透过协议灵活调用
- Using the fourth generation SHARC ADSP-21489 high performance floating-point DSP chip, powerful audio processing capabilities
- The 48 KHz sampling frequency guarantees the capture of sound details with an AD/DA dynamic range of 114 dB
- Built-in pink/white noise/sinusoidal generator
- The slope of the divider Bessel/Butterworth/Link-Riley is optional in the 6-48dB/ OCT range
- Input Channel function: noise gate/16 segment parameter equalization/ high/ low pass/ compressor/ delay/automatic mixing
- Output channel functions: matrix mixer, 16-segment parameter equalization, high-low pass, limiter, delay
- Input Channel support MIC and line switch, with 48V phantom power supply
- Each input channel is independent of the adaptive feedback suppressor, which effectively solves the field microphone howling
- AEC echo cancellation
- Ethernet and 232 interface, and open RS232, TCP/IP protocol to achieve third-party control
- There is video tracking code output, easy to control the realization of video linkage function
- PC software auto-discovery processor, support 32 sets of scene presets, can be flexibly invoked through the protocol

### SPECIFICATIONS

型号MODEL	US168	US1616
输入输出通道 INPUT/OUTPUT CHANNELS	16进8出 16 IN/8 OUT	16进16出 16 IN/16 OUT
输入输出接口 INPUT/OUTPUT CONNECTOR	输入/输出:凤凰插 INPUT/OUTPUT: PHOENIX CONNECTOR	
频率响应 FREQUENCY RESPONSE	20Hz-20KHz, ±0.3dB	20Hz-20KHz, ±0.3dB
信噪比 S/N RATIO	> 115dBu	> 115dBu
失真度 THD	< 0.006 1KHz 0dBu	< 0.006 1KHz 0dBu
串音 CROSSTALK	< 100dB BELOW FULL SCALE	< 100dB BELOW FULL SCALE
最大输入电平 MAX INPUT LEVEL	+18dBu@1KHz	+18dBu@1KHz
最大输出电平 MAX OUTPUT LEVEL	+18dBu@1KHz BYPASS	+18dBu@1KHz BYPASS
输入阻抗 INPUT IMPEDANCE	5KΩ	5KΩ
输出阻抗 OUTPUT IMPEDANCE	600Ω	600Ω
数字处理部分 DSP	48KHz 24bit AD/DA 400MHz 32bit浮点DSP	48KHz 24bit AD/DA 400MHz 32bit浮点DSP
供电电源 POWER SUPPLY	AC 110-240V 50/60Hz 功率:70W	AC 110-240V 50/60Hz 功率:70W
产品尺寸 DIMENSIONS(WxDxH)mm	480X250X44	480X250X44
净重 NET WEIGHT	3.5 KG	3.5 KG

## US-200 音箱处理器控制盒 Loudspeaker System Processor Controller

### SPECIFICATIONS

型号MODEL	US-200
显示屏分辨率 DISPLAY RESOLUTION	480x480
接口类型 INTERFACE TYPE	4PIN 凤凰插座 4PIN PHOENIX CONNECTOR
供电电源 POWER SUPPLY	DC:+24V, 最大功耗Max Power Consumption 2.4W
产品尺寸 DIMENSIONS(WxHxD)mm	90.7x90.7x27.9

