

# FLEX SYNERGY™

*A Modular Platform for A/V Presentation,  
Video Conferencing & Telepresence*

- **Module Frame sized to match your video displays**
- **supports a wide range of loudspeaker & A/V modules**

**Available modules include:**

- **precision ribbon drivers**
- **micro sub-woofers**
- **sliding camera pocket**
- **directional microphone**
- **power & DSP**



*(shown without grille – camera not included)*

*Flex Synergy is a modular solution, factory configured to meet the specific project requirements of consultants and system integrators.*

## The Flex Synergy Solution

Flex Synergy builds on the knowledge gained in the development for our HLA large venue & SLA compact line array products. This unique modular platform provides the tools needed to deliver high speech intelligibility and accurate program audio with maximum impact from the smallest possible equipment package.

Sophisticated DSP and power amplification by Powersoft is configured to optimize the performance of ribbons and proprietary Innovox drivers. This makes it possible for very compact loudspeaker modules to deliver exceptional vocal articulation and low frequency extension without the mid-bass coloration normally associated with on-wall mounting.

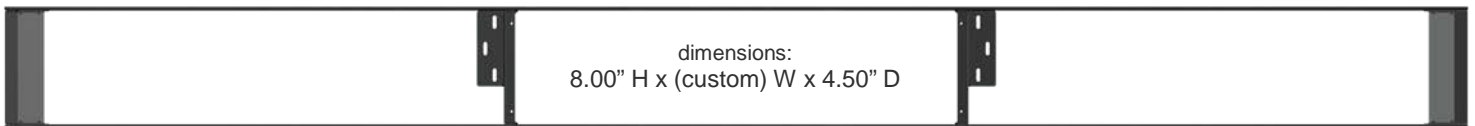


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## Horizontal Module Frames

HMF-1WM (for single display, Wall-Mounted)  
HMF-1DM (for single display, Display Mounted)  
HMF-2WM (for 2 or more displays, Wall-Mounted)

The HMF-1 & 2 horizontal module frames are custom built to match the exact width of your specified video display. They can be populated with a variety of modules to meet the specific requirements of your project. The HMF-1 is supplied with either a display mounting kit, or a wall mounting kit. The HMF-2 is supplied with a wall mounting kit.



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## XRM-1 Extended Range Module



The XRM-1 is a full-range loudspeaker designed to function as a stand-alone module. Its precision ribbon HF driver and four 3 1/2" long-excursion LF drivers have been optimized to provide the articulation and transient response necessary for the highest speech intelligibility.

Descriptive Data – coverage pattern: 90° V x 120° H  
frequency response: 100 Hz – 20 kHz  
max SPL: 106 dB long term, 112 dB peak  
dimensions: 13.25" W x 7.50" H x 2.63" D

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## URM-1 Upper Range Module



The URM-1 is a voice-range loudspeaker with a precision ribbon HF driver and two long-excursion LF drivers. It is designed to function in conjunction with a Micro Sub module for higher output, lower bass extension and reduced inter-modulation (IM) distortion.

Descriptive Data – coverage pattern: 90° V x 120° H  
frequency response: 200 Hz – 20 kHz  
max SPL: 108 dB long term, 114 dB peak  
dimensions: 6.38" W x 7.50" H x 2.63" D

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## MSM-5 Micro Sub Module



The MSM-5 is a very compact, precision sub-woofer with a 5 1/2 inch long-excursion driver. Working in conjunction with proprietary DSP processing, it achieves maximum bass output from a minimum enclosure size. It is designed to complement the Synergy URM-1 loudspeaker module.

Descriptive Data – coverage pattern: omnidirectional  
frequency response: 48 Hz – 200 Hz  
max SPL: 102 dB long term, 108 dB peak  
dimensions: 11.00" W x 7.50" H x 4.50" D

### MSM 2x5

Dual Micro Sub Module



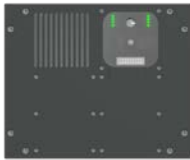
The MSM-2x5 is a very compact, precision sub-woofer with two 5 ½ inch long-excursion drivers. Working in conjunction with proprietary DSP processing, it achieves maximum bass output from a minimum enclosure size. It is designed to complement the Synergy URM-1 loudspeaker module.

Descriptive Data – coverage pattern: omnidirectional  
frequency response: 48 Hz – 200 Hz  
max SPL: 108 dB long term, 114 dB peak  
dimensions: 21.50" W x 7.50" H x 4.50" D

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### DSP Amp 2

2 channel DSP Amp Module



*Powersoft*

The DSP Amp 2 employs Powersoft DSP and amplification, in a 1-in/2-out or 2-in/2-out configuration which Innovox custom programs based on a customer's specific project requirements. Typical uses include two-way and stereo applications.

Descriptive Data – frequency response: 10 Hz – 20 kHz  
power: 2 x 350W @ 4 Ω  
2 x 175W @ 8 Ω  
dimensions: 9.00" W x 7.50" H x 2.63" D

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### DSP Amp 4

4 channel DSP Amp Module



*Powersoft*

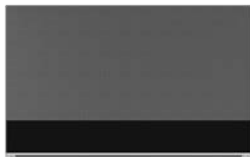
The DSP Amp 4 employs Powersoft DSP and amplification, in a 2-in/4-out configuration which Innovox custom programs based on a customer's specific project requirements. Typical uses include two-way stereo and 2.1 applications.

Descriptive Data – frequency response: 10 Hz – 20 kHz  
power: 2 x 350W @ 4 Ω, plus 2 x 175W @ 8 Ω  
dimensions: 12.75" W x 7.50" H x 2.63" D

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### SCPM

Sliding Camera Pocket Module



The SCPM is a Sliding Camera Pocket designed to accommodate a wide range of robotic cameras. The pocket can be adjusted within a Synergy frame to position the pocket as closely as possible to the adjacent wall, minimizing protrusion of the camera into the room.

Descriptive Data – dimensions: 12.00" W x 7.50" H x 7.50" D

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### DMM-1

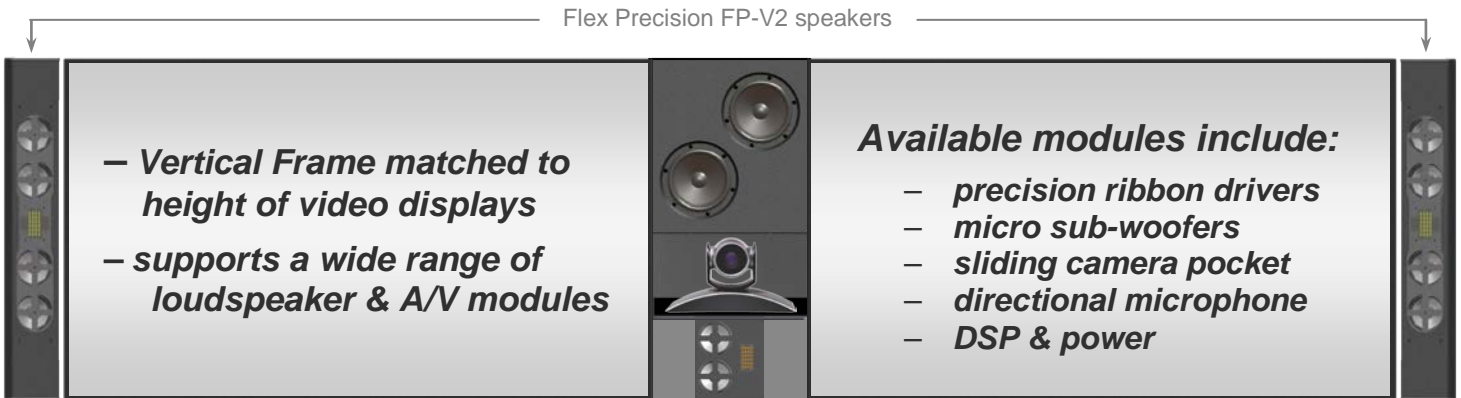
Directional Mic Module



*Earthworks*  
HIGH DEFINITION MICROPHONES™

The DMM-1 Directional Microphone Module houses a premium Earthworks cardioid condenser microphone within an acoustic enclosure designed to be co-located with a robotic camera. It can be used stand-alone or in conjunction with ceiling or table mounted microphones in video conference and telepresence applications.

Descriptive Data – dimensions: 7.50" W x 7.50" H x 4.50" D



**Vertical Frame**  
(camera not included)

**VF-1**  
Vertical Frame



The VF-1 vertical wall-mount module frame is custom built to match the exact height of your specified video display. It can be populated with a variety of modules to meet the specific requirements of your project.

Descriptive Data – Dimensions: 12.00" W x (custom) H x 4.50" D

**VMS 2x5**

Vertical Dual Micro Sub



The VMS-2x5 is a very compact, precision sub-woofer with two 5 ½ inch long-excursion drivers. Working in conjunction with proprietary DSP processing, it achieves maximum bass output from a minimum enclosure size. It is designed to complement the Synergy URM-1 loudspeaker module in vertical frame applications.

Descriptive Data – coverage pattern: omnidirectional  
frequency response: 48 Hz – 200 Hz  
max SPL: 108 dB long term, 114 dB peak  
dimensions: 12.00" W x 13.43" H x 4.50" D