HETMA
HIGHER EDUCATION TECHNOLOGY MANAGERS ALLIANCE

The HETMA Approved program was created to provide a service to evaluate products through the lens of higher education technical managers. A diverse group pooled from our membership allows different perspectives to shape the outcome of any approval. The following are the findings of the Approved Committee and the evaluating members.

Company: PTZ OPTICS

Product: PT12X-SE-GY-G3

Overall score: Exceeds Expectations

Approval Status: Approved – PTZ Camera

The results of this evaluation are good for the terms that the product is in its current production state as outlined in the Approved Terms and Conditions. Any major change in build, firmware, or software could result in a need for re-evaluation.

Please contact communications@hetma.org for HETMA Approved Program media packet for posting on company websites, social media, and print media.

Evaluator Demographic Information

Institution/University size:
Small (less than 5000): 2
Medium (5000-10000): 2
Large (greater than 10000): 1

Evaluator Certifications: CTS, CTS-I, CTS-D Extron A/V Associate, Crestron Master Technology Architect, CompTIA N+, Dante, Extron DSP, Project Management or A/V-AVIXA, QSYS, Net+, CCNA, CEH

Evaluation Results and Notes

Questions asked in the evaluation

1. Verification: How we tested the product or service.

"Setup for an event using the Superjoy for control utilizing SDI in a switcher. Then was setup in our sandbox room with network control via Q-Sys and tested NDI and HDMI outputs. Tested all outputs and control. Used it for an event. Tested in a "classroom" environment for several days without issues."

"Initially tested by our event tech staff for live events; next, installed in a classroom where it is controlled by Q-SYS and sending NDI video to a decoder in the lectern. Verified all outputs (HDMI, SDI, USB, NDI), controlled it with both Q-SYS and Crestron controllers, left it powered on (PoE) for several weeks, also used it for a couple special events before installing it."

"Bench tested, in office, and also conference room temporary setup. Works via PoE, got full 1080p output on HDMI, SDI. Did not test the 3.5mm line audio input. Also did not test the RS232 control ports, as we usually control via IP."

2. Quality: Does the product or service meet quality standards? Does it have a warranty or replacement

program?

"Solid build quality. Great quality video with tons of customization options. Smoother pan/tilt/zoom operation, improved over their previous generation of cameras. Reliable PoE operation after several weeks of being powered on; no issues. Easy to apply firmware updates."

"Excellent build quality. Good video quality. Very reliable. Excellent camera"

"Camera feels very sturdy. PTZ motor is quiet and efficient. Input/output terminals feel high quality. 1/4-20 camera mount was driller properly and mounted easily."

3. Performance: Does the product or service perform below, at, or exceed expectations?

"It performs very well, image quality is very good, PTZ operation is smooth, and it has been very reliable when left powered on for weeks at a time. It exceeded expectations because NDI was added as a feature for free with a firmware update; it originally offered NDI for an additional cost."

"Performs well. Will recommend for installs in spaces that do not need our standard camera and have a tighter budget."

"Camera pans/tilts/zooms very smoothly. Tracking is very good, though sometimes subject framing isn't the best. Video quality is good. Web GUI could stand to be updated, though."

4. Network and Security: If networked, how is it deployed? What network standards does it follow? How secure is it? Are there any physical security options?

"Password protected with admin and guest access levels. can add HTTPS certificate."

"Connected to the network. Password protected with ability to have different user levels."

"Supports DHCP or static IP, does not support server-based authentication (SSO/AD). Supports a two user logins (admin & guest) with varied access level. NDI discovery can be on or off, and private groups set. NTP server support, RTMP and RTSP stream settings are completely editable."

5. HETMA+: What about this product or service makes it a good fit for higher education and for technical managers?

The point of the Approved Program is to provide higher education technical managers with recommendations for products that can better the lives of students, faculty, and staff by providing a better learning and teaching environment. With that in mind, we evaluate products for the specification and performance review, how they fit into our space, and the impact they could have.

The PT12X-SE-GY-G3 camera was wonderful to evaluate. PT12X-SE-GY-G3 met the expectations in quality and performance for higher education institutions.

Here are some of the comments from evaluators:

"It's reliable, performs well, is PoE, is competitively priced, has a long warranty, responsive tech support, and can be integrated easily into multiple control systems. Checks all the boxes for the primary needs of Higher Ed."

"Performed well, easily deployed. Reliable."

"The feature set and quality of the camera when compared to the price point is extremely good. We've tested tracking cameras that cost 2-3x as much as this one and don't track/perform as well."

Overall, the evaluators stated that the PT12X-SE-GY-G3 will become part of their thought process in future classroom planning. We are happy to give this an Approval rating and look forward to our continued partnership.

HETMA Approved Program Chair.