



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: PT20X-4K-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.

“Initially tested by our event tech staff for live events; next, installed in a classroom where it is controlled by a Crestron system 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.”

“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.”

“Bench test, office test, but also we have about 30 of these deployed on campus. Works via PoE. Got 4K/60 signal into video switcher via SDI, HDMI, only tested NDI up to 1080p. Did not test 3.5mm line audio input/output. Also did not test the RS232 or RS485 in/out, as we usually use IP control.”

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.”

“Excellent build quality. Good video quality. Very reliable. Excellent camera. Great 5-year warranty when used indoors. Limited parts & labor, non-transferable.”

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

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

“Performs well. Looking to add these into a larger performance auditorium that is getting a refresh”

“I was very pleased with the camera’s performance, no issues to speak of. We mostly used NDI, which performed reliably and was of good quality. It is easy to change video settings as needed. We didn't use auto-tracking too much, but it seemed to work acceptably when we did. For classroom lectures, it's a nice option to make available to instructors and for other situations with a defined presentation area.”

“Tracking and subject framing were very good. SDI & NDI streams were very solid and had good picture. USB output was a little odd in that it utilizes a USB-A port, requiring a USB-A male-male cable, which is rare (though one is included with the camera). Web GUI could stand to be updated.”



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?

“PoE powered; HTTPS certificate may be uploaded; multiple login levels (admin / guest).”

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

“Supports DHCP and static IP, does not support server-based authentication (SSO/AD). Has two user logins with different access level settings (admin & guest). Supports NTP time sync (configurable). RTMP and RTSP stream settings are completely configurable.”

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 PT20X-4K-GY-G3 camera was wonderful to evaluate. PT20X-4K-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. Easy to control with control systems (we use Crestron).”

Overall, the evaluators stated that the PT20X-4K-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.