Professional PTZ Cameras

Healthcare Solutions
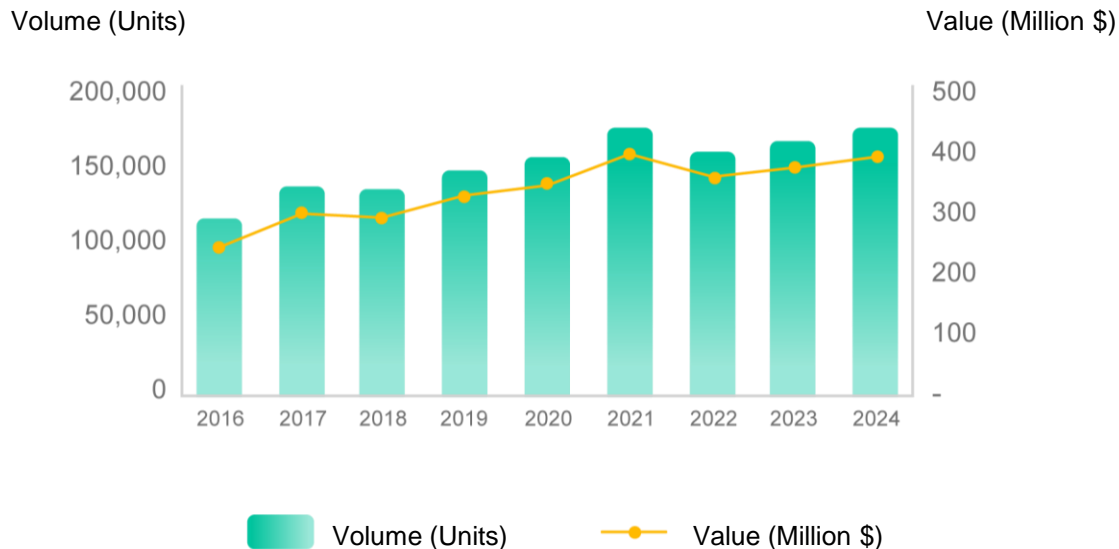
Professional PTZ Camera Market Trends

PTZ Camera Market Volume & Value

Volume (Units)

Value (Million $)

Legend: Volume (Units) — Value (Million $)

Professional PTZ Camera Applications

Global PTZ Camera Volume by Vertical

16% Other

Healthcare

15% Broadcast

18% Corporate

8% HOW

22% Education

20% Government

Global Telehealth Market 2020-2024

The term **telehealth** includes a broad range of technologies and services to provide patient care and improve the healthcare delivery system as a whole. It includes the delivery of health information, for health professionals and health consumers, education and training of health workers and health systems management through the internet and telecommunications.

25% CAGR

2019   2024
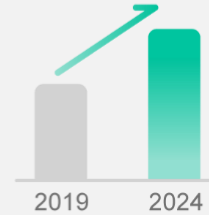
USD **97.52bn**
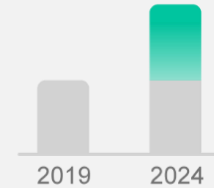Incremental G'th

38%
G'th from Europe

Global Telemedicine Market 2020-2024

Telemedicine refers specifically to remote clinical services and involves the use of electronic communications and software to provide clinical services to patients without an in-person visit.

19% CAGR

USD **56.47bn**
Incremental G'th

2019   2024

40%
G'th from North America

Why AVer?

20+ Years
Audiovisual Experience

Over 30%
of Staff Committed to R&D

Over 100 Awards
for Design & Innovation

Leading Camera Technology
of AI Algorithm

World-Class Video Quality
of Video Processing & Compression

Best Customization Service
of Customer Orientation

AVer Lines of Professional PTZ Cameras

PTC300 & PTZ300 Series

When You Need AVer PTZ Cameras?
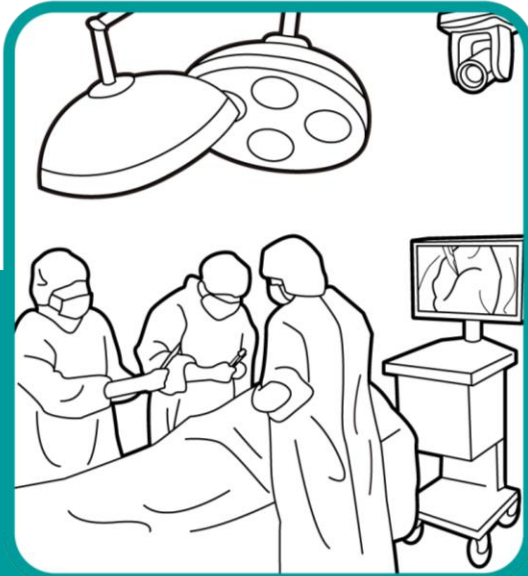
Live Surgery Broadcast
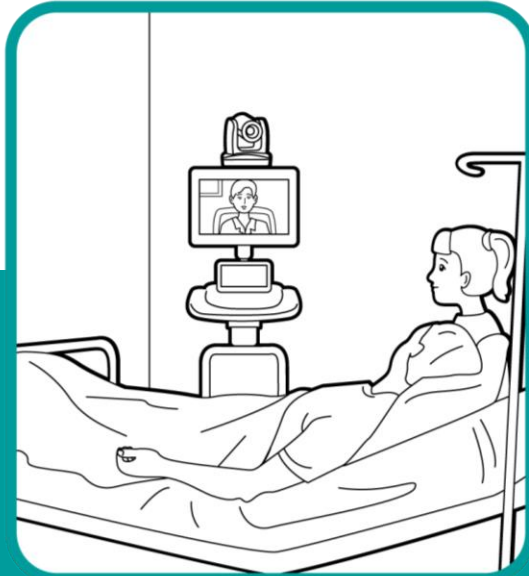
Telemedicine

Tele-ICU

Live Surgery Broadcast

"**Live surgery broadcast**" is remote observation of a surgical procedure in real time, using video technology; and "recorded broadcast" as broadcast of a surgical procedure that has been electronically recorded for future local or remote viewing.

PTC330

PTZ330

Live Surgery Broadcast

30X Optical Zoom

Image Quality

SDI Output

Streaming Box
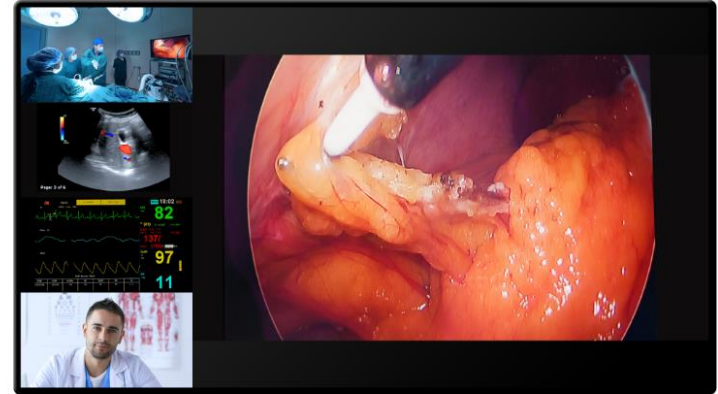
Telemedicine

Telemedicine means "The delivery of health care services, where distance is a critical factor, by all health care professionals using information and communication technologies for the exchange of valid information for diagnosis, treatment and prevention of disease and injuries, research and evaluation, and for the continuing education of health care providers, all in the interests of advancing the health of individuals and their communities."

PTZ330

PTZ310

Source: https://www.who.int/goe/publications/goe_telemedicine_2010.pdf

Telemedicine

Precise Shooting Angles

Remotely Control

UVC Standard

RS-232 Connectivity

Video Conferencing Systems

Remote Site
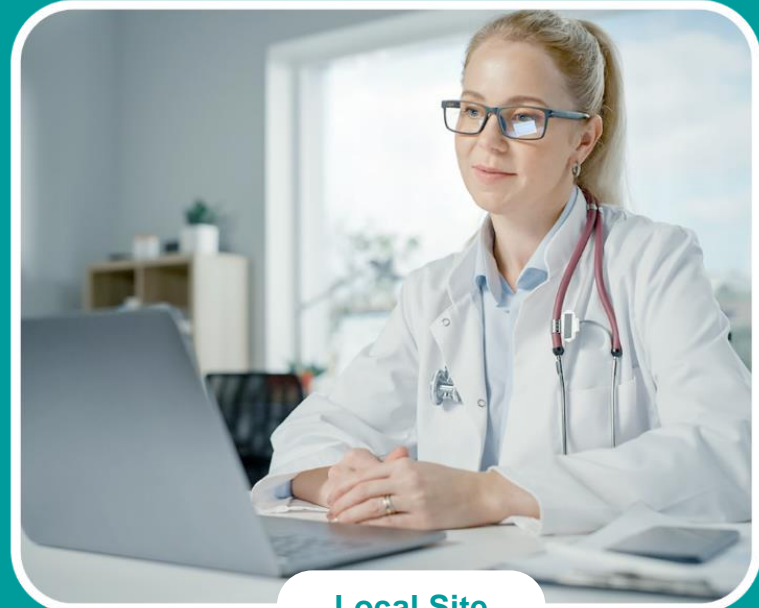
Local Site

* Integrated with Advantech AMiS-72 Telehealth Solution

Tele-ICU

Tele-ICU has an off-site command center in which a critical care team (intensivists and critical care nurses) is connected with patients in distance intensive care units (ICUs) through a real-time audio, visual and electronic means and health information is exchanged.

PTC330

PTZ330

Sources: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3785036/

Tele-ICU

30X Optical Zoom
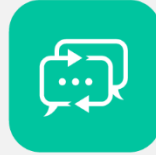
Two-Way Communication

Real-Time Image
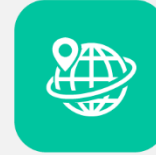
IP Connectivity

Easy Integration

Ward

Internet / Intranet
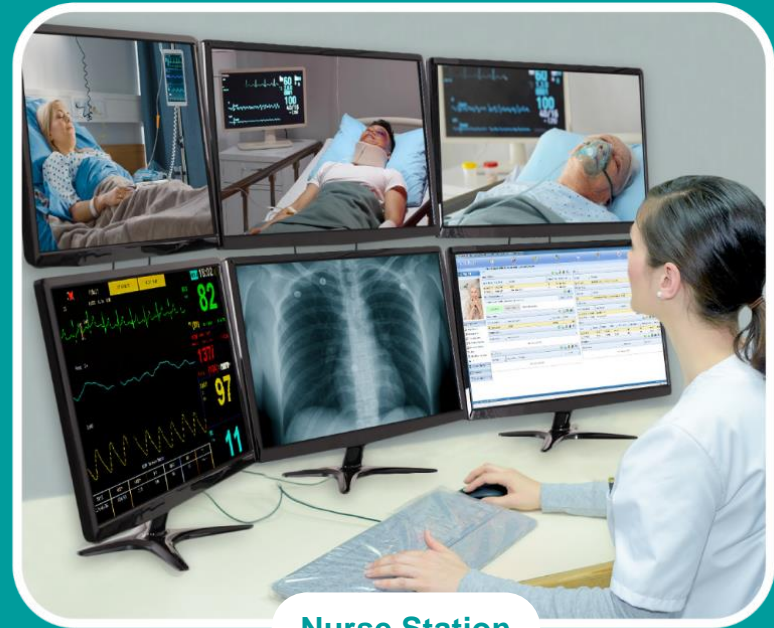
Nurse Station

Strategic Partners

ADVANTECH
Enabling an Intelligent Planet

AMiS-72 Telehealth Solution

To know more about Advantech Telehealth Solution, please visit .
https://www.advantech.com/solutions/ihealthcare

avalue
Technology Inc.

Telemedicine Cart Solution

To know more about Avalue SMART HEALTHCARE Solution, please visit . https://healthcare.avalue-solutions.com/en

Appendix A

Internal Comparison

	PTC330U(N)	PTC330(N)	PTC310U(N)	PTC310H(N)	PTC310(N)
Zoom	30X Optical Zoom 60X Lossless Zoom (in Full HD)	30X Optical Zoom 60X Lossless Zoom (in Full HD)	12X Optical Zoom 24X Lossless Zoom (in Full HD)	12X Optical Zoom 24X Lossless Zoom (in Full HD)	12X Optical Zoom 24X Lossless Zoom (in Full HD)
FOV H	68° (Wide) to 2.8° (Tele)	65.1° (Wide) to 2.34° (Tele)	70° (Wide) to 6° (Tele)	70° (Wide) to 6° (Tele)	70° (Wide) to 6° (Tele)
F#	1.5 (Wide) to 3.4 (Tele)	1.6 (Wide) to 4.7 (Tele)	1.6 (Wide) to 2.8 (Tele)	1.6 (Wide) to 2.8 (Tele)	1.6 (Wide) to 2.8 (Tele)
Sensor	1/2.5" 4K Exmor CMOS, 8MP	1/2.8" 1080p Exmor CMOS, 2MP	1/2.8" 4K Exmor CMOS, 8MP	1/2.8" 4K Exmor CMOS, 8MP	1/2.8" 1080p Exmor CMOS, 2MP
Frame Rate	Up to 4K/30fps	Up to 1080p/60fps	Up to 4K/30fps	Up to 4K/30fps	Up to 1080p/60fps
Interface	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	HDMI, IP, USB	3G-SDI, HDMI, IP, USB
Pan Angle	±170°	±170°	±170°	±170°	±170°
Tilt Angle	+90°/-30°	+90°/-30°	+90°/-30°	+90°/-30°	+90°/-30°
Moving Speed	Pan: 0.1° to 100°/sec Tilt: 0.1° to 100°/sec	Pan: 0.1° to 100°/sec Tilt: 0.1° to 100°/sec	Pan: 0.1° to 100°/sec Tilt: 0.1° to 100°/sec	Pan: 0.1° to 100°/sec Tilt: 0.1° to 100°/sec	Pan: 0.1° to 100°/sec Tilt: 0.1° to 100°/sec
NDI®|HX	Yes (PTC330UN)	Yes (PTC330N)	Yes (PTC310UN)	Yes (PTC310HN)	Yes (PTC310N)
AI Function	Human Detection	Human Detection	Human Detection	Human Detection	Human Detection
Tracking Modes	Presenter, Zone & Hybrid	Presenter, Zone & Hybrid	Presenter, Zone & Hybrid	Presenter, Zone & Hybrid	Presenter, Zone & Hybrid

Model	PTZ330(N)	PTZ310(N)
Lens	30X	12X
FOV H	67° (Wide) to 2.3° (Tele)	72.5° (Wide) to 6.3° (Tele)
F#	1.6 (Wide) to 4.7° (Tele)	1.6 (Wide) to 2.8° (Tele)
Sensor	1/2.8" 2MP	1/2.8" 2MP
Frame Rate	Up to 1080p/60fps	Up to 1080p/60fps
Interface	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
Pan Angle	±170°	±170°
Tilt Angle	+90°/-30°	+90°/-30°
Moving Speed	Pan: 0.1 ~ 200°/sec Tilt: 0.1 ~ 200°/sec	Pan: 0.1 ~ 200°/sec Tilt: 0.1 ~ 200°/sec
NDI®|HX	Yes (PTZ330N)	Yes (PTZ310N)
AI Functions	SmartFrame	SmartFrame
	SmartShoot	SmartShoot

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