COVID-19 ICU Capacity Enhancement
By Whiteboard Coordinator

Benefits
- Maintain constant visual and verbal contact with multiple patient bed locations while protecting healthcare workers.
- Intelligent camera and microphone system enhances patient care and provides automated alerts.
- Designed for use in existing and expanded field hospital environments.

Background:
In the setting of the COVID-19 pandemic, hospitals face unprecedented capacity issues that threaten to undermine healthcare delivery for all patients. Further, the expansion of bed capacity into traditionally non-clinical areas like office space and field hospitals makes standard isolation precautions such as negative pressure rooms nearly impossible. There is an urgent need to enhance capacity and protect front-line healthcare workers with a cost effective, scalable remote patient monitoring system.

Whiteboard Coordinator has developed a computer vision-enhanced patient monitoring system in partnership with Northwestern Medicine and Microsoft Azure that allows a constellation of intelligent pan-tilt-zoom cameras to monitor multiple patients simultaneously. In addition, patients are able to communicate verbally with healthcare workers without a provider entering the room.

Whiteboard Coordinator, Inc. is a pioneer in the development of computer vision technologies for healthcare that preserve patient and clinician privacy in compliance with HIPAA and the Illinois Biometric Information Privacy Act (BIPA).

Product Information:
- 100 room coverage for less than $15,000 hardware in costs.
- Service for less than $10/room/day* accessible via a convenient web app based video feed.
- Enhanced by machine learning algorithms that detect faces and protect privacy.
- Monitor up to hundreds of patients at a time from a central location behind the hospital firewall.
- Comprehensive deployment within hours with adequate technical support.
- Standard video feeds may be enhanced with Whiteboard’s intelligent COVID-19 thermal imaging system.
- FAQ’s and pricing* on next page.

For more information, reach out to Chris Heddon - VP Business Development at cheddon@wbcoordinator.com

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FAQ’s

1. **How many people can the system monitor?** Technically the system can monitor as many rooms as desired.

2. **How do you recommend that these cameras are placed?** We recommend that the camera is placed on the ceiling, the wall, or on a stand - opposite the patient bed with an available PoE connection.

3. **Is this system HIPAA compliant?** Our video feeds have been independently validated to be HIPAA Privacy Rule complaint.

4. **What kind of network access is required?** In order to support multiple video feeds with pan-tilt-zoom functionality, we require high-bandwidth/low-latency (10M/100M), as well VPN access to the hospital network.

5. **What kind of camera technology do you use?** 2-megapixel pan-tilt-zoom dome IP cameras with proprietary firmware based encryption. Our cameras also have microphones and night vision.

6. **How are the images displayed?** Images can be displayed either on a standard monitor or through a web-app interface. Streaming format is either H.264 or MJPEG.

7. **What type of support do you provide?** We provide 24/7 support for our products.

**Pricing**

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<tr>
<th>Description</th>
<th>Fees</th>
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<td><strong>Startup Costs</strong> (at cost)</td>
<td><strong>Includes the following hardware:</strong>&lt;br&gt;• 1080P WiFi Dome Camera, Dual Band, PTZ, 2 Megapixel, IR Night Vision with microphone.&lt;br&gt;• Edge computer with 4x Nvidia RTX 2080 Ti GPU(s), 32 core AMD Threadripper® 3.70 Ghz Processor, and 4TB SSD hard drive</td>
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<td><strong>Services</strong> (24 month service contract)</td>
<td><strong>Includes the following services:</strong>&lt;br&gt;• Ability to monitor and communicate with patients remotely.&lt;br&gt;• Onsite + web-based video feed access, multi-camera support.&lt;br&gt;• Privacy enhancement algorithms may be deployed per customer needs.&lt;br&gt;• 24/7 connection monitoring and troubleshooting.</td>
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