Ignite Prism

Site Environment Checklist

January 2020

Step	Network Requirements	Check	Notes
1	- Verify that port 443 is open for INBOUND & OUTBOUND communication - Outbound port 443 must be open to allow Prism sensors to connect to Prism's Cloud API at iapi.prismsl.net		
2	- Verify that Port 80 is open locally (within the store network). Are there any proxy servers or other specific network configurations?		
3	- The bandwidth requirement for the store should be at least 50 kbps per camera.* This bandwidth requirement is for Prism cameras' data upload only. It should not include or share the bandwidth with in-store equipment like cash registers, etc. - Confirm that the average UPLOAD speed test results after 3 runs (see #1) meet this requirement.		
4	- Confirm that the download bandwidth is 270 kbps per camera. This is mostly to accommodate successful download of upgrade packages.		
5	Required firewall openings: - TCP-related established allowed back in - TCP 443 out to Remote Access server IP address (we provide it in private) - TCP ports in range 28000-36000, and 22, 443, 8443 to Remote Access server IP address (we provide it in private) (this is for remote access; the service will work without this but Prism will then be unable to support you remotely) - UDP/TCP 53 out to 8.8.8.8 (if local DNS is not offered, this is a fallback) - UDP 123 to unpredictable addresses (new cameras allow this NTP address to be configured in which case this step isn't necessary)		

Step	Other Technical Points	Check	Notes
1	- Check the quality and stability of the Internet running in the store. It should demonstrate consistent upload and download results. - Run a bandwidth test (3 times) from the local network by connecting laptop via Ethernet port and accessing one of these sites: http:// www.speedtest.net/ http://www.broadbandspeedchecker.co.uk/		
2	Verify the location of the IT cabinet, PoE switch and/or network access: - Is it adequately ventilated (it should not reach 40°C)? - Is it secure (ideally locked away from staff)?		
3	- Check which specific port is in use on the store router. What are the open physical ports that the PoE switch can connect to?		

4	Is an electrical outlet available, which provides dedicated, 24-hour circuit power (120-240VAC 50/60Hz)? Electrical outlet should be tested for reliability and power purity as below: https://www.circuitspecialists.com/blog/testing-an-electrical-outlet-using-a-digital-multimeter/ In the UK - https://www.youtube.com/watch?v=SPJhE9bMz7c.		
5	Every camera requires an SD card (more details can be found in the Recommended SD Card Specs article).		

**50kbps is the minimum; however, if video cache with auto-upload is enabled it can go much higher. See the metrics below.*

Step	Setup Scenarios for Enabled Lens	Upload Speed (min - max) During Peak Hours
1	Privacy Enhanced 3 Tripwires	24 - 56 kbps
2	Privacy Enhanced Video Cache (videos saved locally and not uploaded to the cloud)	32 - 50 kbps
3	Activity Privacy Enhanced Video Cache (videos saved locally and not uploaded to the cloud)	40 - 50 kbps
4	Activity Privacy Enhanced 3 tripwires	40 - 64 kbps
5	Activity Privacy Enhanced 1 tripwire Video Cache (when uploading video to the cloud continuously)	712 - 2400 kbps
6	Activity Privacy Enhanced Detail 8x8 3 tripwires	16 - 160 kbps
7	Activity Privacy Enhanced Detail 8x8 3 tripwires	16 - 136 kbps
8	Activity Privacy Detail 5x5 1 tripwire	104 - 168 kbps

9	Enhanced Privacy 3 tripwires 3 AOI's Video cache (when uploading video to the cloud continuously)	432 - 2824 kbps
10	Activity Privacy Enhanced Detail 8x8 3 tripwires 3 AOI's Video cache (videos saved locally and not uploaded to the cloud)	160 - 888 kbps
11	Activity Privacy Enhanced Detail 5x5 Video cache (when uploading video to the cloud continuously)	80 - 160 kbps 1936 - 2912 kbps (when uploading video to the cloud continuously)