

# False Alarm Reduction Technologies

Currently, in the security industry today, a number of verification methods have been provided and tested, including: Listen in (Two Way Audio Communication) Verification, Digital Video (Surveillance) Verification, Enhanced Call Verification (ECV), and Digital Verification Control (eFAR / DVC).

**Two Way Audio Communication Verification:** After security alarm system / devices is triggered, Central Station would receive report and make an audio connection between field and central station through telephone. The trained operators at central station would listen to any noises in the field, and then judge whether it is a false alarm or real break-in.

**Digital Video Verification:** After security alarm system / device is triggered, central station would receive report and make a video connection between field and central station through high speed internet. The trained operators at central station would view any corner in the field, and then judge whether it is a false alarm or real break-in.

**Enhanced Call Verification (ECV):** After security alarm system / devices is triggered, the trained operators at central station would call the owner to verify the alarm signal and then judge whether it is a false alarm or real break-in..

**Digital Verification Control (DVC) :** The digital verification technique would filter any human errors through fuzzy logic method. When the PIRs or other devices is triggered, the eFAR/EE668DVC would be in verification status and judge the condition through digital verifications then make decisions to send reports to the surveillance end or not.

## ECV vs. Audio vs. Video vs. Digital Verification (eFAR/DVC)

	Enhanced Call Verification (ECV)	Listen In Verification (2-way audio)	Digital Video Verification	<a href="#">eFar /DVC</a>
Equipment	Requires <b>Sophisticated</b> call procedures undertaken by central station	Requires <b>Sophisticated</b> system including: Speaker, Microphone, Wires, etc.	<b>More Sophisticated</b> system: Camera, DVR, Internet ect.	<b>Simple and easy</b>
Installation Time	Increases Central Station training time	Long, 2 person 2 days minimum	Longer, at least 3 person 1 day	30 mins 1 person
Maintenance Frequency	<b>Central Station training and involving</b>	<b>Frequent</b>	<b>Very Frequent</b>	<b>Rare</b>
Verification Technology Capability	Reactive Protection	Reactive Protection	Reactive Protection	Proactive Protection

Privacy	N/A	No privacy	Totally no privacy	N/A
Reliability	Extremely low	Extremely low	Low	High
Human Error	Highly involved	Highly involved	Highly involved	None
Equipment Cost	Increase Central Station Utility	High > \$1000	Extreme high >\$5000	Low <\$30
Performance	Very poor	Very poor	Poor	Hight (up to 98%)
Compatibility	N/A	Poor	Poor	98% Compatible

Any suggestions or comments are welcome. E&E can be reached at [info@eeelectronic.com](mailto:info@eeelectronic.com)

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