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## Qorvo's X-band Radar Solutions

00:00:01.901 --> 00:00:05.805  
Detection and tracking of drones  
are essential security functions

00:00:05.805 --> 00:00:10.377  
in many vital situations, such as critical  
infrastructure protection, monitoring

00:00:10.377 --> 00:00:13.980  
of mobile perimeters and borders, and  
unmanned traffic management systems.

00:00:14.614 --> 00:00:17.083  
Fortunately, radar technology continues

00:00:17.083 --> 00:00:20.120  
to advance with emerging X-band  
phased array radar systems

00:00:20.120 --> 00:00:23.490  
that are the perfect balance  
of range, target resolution and size.

00:00:24.124 --> 00:00:27.160  
They offer capability to detect and  
monitor drone and unmanned

00:00:27.160 --> 00:00:30.497  
aerial vehicles from significant  
distances, even amidst clutter.

00:00:31.131 --> 00:00:34.868  
X-band radar systems are lightweight  
and self-contained for ease of relocation

00:00:34.868 --> 00:00:36.669  
to remote sites.

00:00:36.669 --> 00:00:41.007  
Qorvo's X-band product family enables  
small, lightweight phased array radars

00:00:41.007 --> 00:00:44.144  
that reduce, SWaP-C and provides  
fast 3D electronic beam steering

00:00:44.144 --> 00:00:47.147  
for protection from a  
wide range of threats.



00:00:48.014 --> 00:00:52.752  
X-band radars using electronically steered  
active antennas require low cost,

00:00:52.852 --> 00:00:53.720  
low profile

00:00:53.720 --> 00:00:57.157  
and high performance in order to operate  
in today's complex environments.

00:00:58.058 --> 00:01:00.994  
Qorvo offers a complete X-band solution  
for seamless integration,

00:01:00.994 --> 00:01:04.364  
with optimized casacde performance

00:01:04.364 --> 00:01:07.867  
proven in multiple  
deployed working radars.

00:01:08.568 --> 00:01:11.971  
Qorvo's X-band product family includes  
highly integrated quad silicon

00:01:11.971 --> 00:01:15.875  
beamforming ICs with stable gain  
and phase over temperature.

00:01:16.476 --> 00:01:20.046  
The high efficiency front end modules  
are available in a range of output power levels,

00:01:20.046 --> 00:01:23.016  
and offer low receive noise figure  
and overdrive protection.

00:01:24.751 --> 00:01:29.522  
Qorvo's X-band family enables low profile planar X-band  
phased array antennas with small SWaP-C

00:01:29.689 --> 00:01:32.692  
for critical detection  
and surveillance applications.

00:01:34.594 --> 00:01:38.098  
High resolution and stable  
phase and amplitude control delivers fast,

00:01:38.098 --> 00:01:41.401



accurate beam steering and shaping  
through direct control of each element.

00:01:42.735 --> 00:01:48.441

To learn more about Qorvo's X-band radar solutions,  
visit us at [qorvo.com/go/x-radar](https://qorvo.com/go/x-radar)