

Digital Receiver & Signal Processor RVP10

VAISALA

Product Spotlight

**Providing trusted weather observations
for a sustainable future**

Unmatched meteorological intelligence
for ultimate situational awareness

In our ever-changing environment,
timely and accurate weather
information is crucial to protect
lives and property during extreme
conditions. Weather radars provide
meteorological observers and
forecasters with this vital information,
and the signal processor must have the
capacity to analyze and deliver it.



Key benefits

State-of-the-art data security prevents breaches and keeps your information intact.

New processing platform brings more range bins, better resolution, increased processing power, and flexibility to post-processing.

Flexible architecture provides modular, highly configurable hardware, and an open software design with public APIs.

Better data quality through improved clutter cancellation, interference cancellation algorithm, correction for velocity aliasing, and flexible data thresholding.

Easy upgrade path from RVP8 and RVP900 systems, while modern, standard technologies make the solution easy to update and maintain, including new processing algorithms developed by Vaisala.

Ready for dual-transmitter technology, pulse compression and Wide Dynamic Range.

Why Vaisala?

As the global leader in weather and environmental measurements, Vaisala provides trusted weather observations for a sustainable future. With over 85 years of experience and customers in 170+ countries, from the North and South Poles to Mars, we help provide the most reliable and accurate weather and climate information for better and safer daily lives.

Our instruments and intelligence are known as the gold standard for precision and reliability. As a sustainability leader we enable meteorology professionals to better understand, forecast and explain climate change. We continue to channel our curiosity into climate action and new ways of enabling a better planet for all.

Vaisala Digital Receiver and Signal Processor RVP10 provides unmatched meteorological data for ultimate situational awareness. Whether you are implementing a new weather radar or upgrading an existing system to the latest signal processing technology, RVP10 offers a full suite of exceptional weather radar signal processing functionality.

RVP10 provides unprecedented data security – the only one of its kind on the market – while cutting-edge filtering methods and signal processing algorithms offer greater access to weather radar data. Vaisala RVP signal processors are trusted in over 50 different weather radar designs worldwide, including solid-state transmitter technology.

The high-powered, future-proof platform is designed to scale and grow with advancements in radar systems and technology, today and for years to come.

