

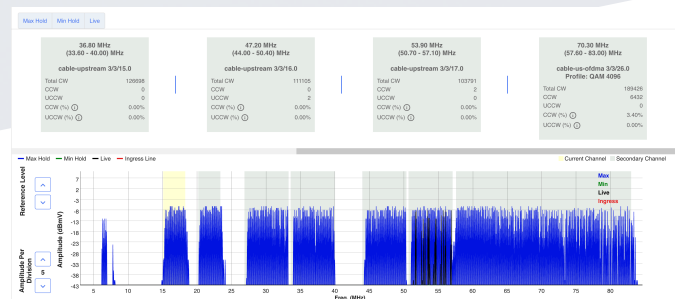
# NIMBLE THIS UPSTREAM ANALYZERS OFFERS GREAT FUNCTIONALITY AT A GREAT

The best headend / hub site spectrum analyzer is the one that you already have, your CMTS. Why? Because the CMTS is already installed. It requires no additional cabling. Furthermore the RF spectrum that is displayed by the spectrum in the CMTS is exactly what you should be looking at.

Most CMTSs today have the ability to act as a return path spectrum analyzer. This is because most CMTSs are built around a Broadcom chipset for return path demodulation. This can be used to make a very powerful and useful tool for cable operators. In addition to giving visibility to the return path spectrum, the CMTS knows when cable modems are transmitting and even more important the CMTS knows when cable modems are not transmitting. This gives the ability to see any noise that is located under the cable modem channels.

The CMTS can prove truly valuable as a spectrum analyzer because you already have it installed in every headend and/or hub site. The resources in the CMTS exist to process upstream spectral data because the spare FFT analyzer is built into the chipset. Having the CMTS be your spectrum analyzer is quite ideal because it does not require any additional cabling from return path receivers to the CMTS. You can be confident that what you see on the upstream spectrum analyzer is exactly what the CMTS is seeing. Finally, our return path spectrum analyzer can be used to see noise under the upstream DOCSIS carrier and also see other RF ingress carriers, which can then be used in the field to clean up the plant. We support UTC and legacy spectrum analysis in our platform. Nimble This upstream is more cost effective and in many cases has more ability than traditional spectrum analyzers.

Nimble Upstream Analyzer	
CMTS Mapper	✗
CMTS Manager	✗
Admin	✗
My Account	✗
Mobile App	✗
Mobile App Sync	✗
GEO Locate	✗
Cable Modem Look Up	✗
Upstream Analyzer	✗
Upstream Monitor	✗
Bulk Subscriber Upload	
IM Report	
CMTS Overview	
Modem Details	
CM Installer (Birth Certificate)	
Spectra	
PNM Pro	
BI Dashboard	
Map	
Spectral Impairment Detection	
General Reporting Engine	
Fiber Node Connector	
Remote DB Connector	
DOCSIS 3.1 PNM	
Gamification	
Work Orders	
Spectra Clustering (FBC-ML)	
Cisco RPD Supported (UA)	✗
Arris RPD Supported (UA)	✗
Harmonic RPD Supported (UA)	✗
CASA RPD Supported (UA)	✗
CLI Leakage Integration (Effigis)	
Third Party T&M Meter	
High Split Support	
OFDMA Support	
FBC Capacity Analyzer	
Nimble PMA+	
RxMER	
RxMER Clustering (ML)	
Node Rapid Scan	
Sweep Analytics Tool (SAT)	
QAM Capacity Analyzer	
WhoAml	
API	✗
Multi-Langauge Support	✗
Support Site / Tutorials	✗
Color Blind Supported	✗
WAS Scan A+ Rating	✗
Ease of Use	✗
Free Support	✗
Standard Support	
Premium Support	
Part Number / #	



# WHAT SOLUTION IS RIGHT FOR YOUR NETWORK?

Nimble This offers a PNM (Proactive Network Maintenance) platform with four different options:

- Nimble Upstream
- Nimble PNM Basic
- Nimble PNM Pro
- Nimble PNM Enterprise

The platform helps cable operators quickly discover and locate network impairments, lower maintenance costs, and improve broadband service. The platform's graphical map and correlation groups make it easy to identify and troubleshoot issues impacting multiple

subscribers, whether they are related to in-home or the outside plant. Nimble This offers a competitive technological advantage, ensuring that cable operators can maintain a stable, efficient, and cost-effective data network, providing the best possible service to both subscribers and operations. Contact Nimble This to let us help determine which features are needed to get your job done.

The technology offered by Nimble This enables cable operators to be proactive in managing their network and providing the best service to their customers.



	Nimble Upstream Analyzer	Nimble PNM Basics (Similar to Competitors)	Best Value Nimble PNM Pro	Nimble PNM Enterprise
CMTS Mapper	×	×	×	×
CMTS Manager	×	×	×	×
Admin	×	×	×	×
My Account	×	×	×	×
Mobile App	×	×	×	×
Mobile App Sync	×	×	×	×
GEO Locate	×	×	×	×
Cable Modem Look Up	×	×	×	×
Upstream Analyzer	×		×	×
Upstream Monitor	×		×	×
Bulk Subscriber Upload		×	×	×
IM Report			×	×
CMTS Overview		×	×	×
Modem Details		×	×	×
CM Installer (Birth Certificate)			×	×
Spectra		×	×	×
PNM Pro		×	×	×
BI Dashboard		×	×	×
Map		×	×	×
Spectral Impairment Detection			×	×
General Reporting Engine			×	×
Fiber Node Connector			×	×
Remote DB Connector			×	×
DOCSIS 3.1 PNM			×	×
Gamification			×	×
Work Orders			×	×
Spectra Clustering (FBC-ML)				×
Cisco RPD Supported (UA)			×	×
Arris RPD Supported (UA)	×		×	×
Harmonic RPD Supported (UA)	×		×	×
CASA RPD Supported (UA)	✓		✓	✓

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