

BinTalk Pro



Technical Specifications & Features



Unmatched Accuracy

4-camera Direct Time-of-Flight (dToF) technology for maximum accuracy

Expanded field of view, covering twice the area of previous models

Automotive-grade camera and sensor technology ensuring reliability

Accurate measurements at distances from 1 inch up to 30 feet



See More, Act Faster

Smart wiper system with anti-static, dust-repelling glass

Dust detection activates cleaning only when necessary, preserving battery life

Proximity detection prevents unnecessary wiper activation when feed is close



Ultra-Durable

Heavy-duty bracket securely mounts sensor without screws

Superior cable management eliminates damage risk

IP68 waterproof design. Operates in harsh conditions -30°F – 140°F (-35°C – 60°C)

Enhanced Performance & Efficiency



Smart event detection and alerts catch farm-level feed issues before they turn into costly problems



Solar-powered battery ensures continuous, maintenance-free operation



15-minute updates vs. standard 4-hour intervals

Why 4X-dToF Technology is Superior



Direct, accurate volume measurement even in complex bin environments



Superior performance in dusty, reflective or challenging conditions. Minimizes multipath interference



Multiple cameras = redundancy and reliability

Connect with us to see how BarnTools can simplify and streamline your feed management today.

barntools.com
 515-293-6450

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Bracket



Solar Radio Box



Sensor Head

Feature	Description
Model	BT-FS-02-00
Measurement Range	Bin Diameter up to 15ft (5m) Bin Height up to 30ft (10m)
Accuracy	> 98%
Cameras	4 Direct-TOF 3D cameras, 140° FOV, Aspect Ratio 1:1
Power Supply	Solar + 5V Lithium iron phosphate Battery (>5 weeks no sun)
Battery Life	Up to 5 years
Reading Frequency	Every 15 minutes, standard
Installation	10 Minutes
Working Environment	Temperature: -30°F ~ 140°F / -35°C ~ 60°C
Wireless Communication	915Mhz or 868Mhz frequency band LoRa Module to Gateway
Cable	4ft long shielded and protected (Camera to Solar Radio Box)
Protection Level	IP68
Sensor Material	Polycarbonate
Weight	1.5 pounds
Size	Sensor Head = 5" x 5" x 2" Solar Radio Box = 6" x 4" x 2" Bracket = 5.83" x 4.69" x 9.65"